

GOMOS Daily Report 05-JUN-2010

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	08JUN2010 04:51:44
Data source version	GOMOS/5.00L04
Start time of products	05JUN2010 00:03:08
Stop time of products	05JUN2010 23:58:36
Store outputs in DB	Yes
Nb of level 1b prods	143
Nb of prods with errors	1

2. Summary of products arrived in PCF (Product Control Facility)

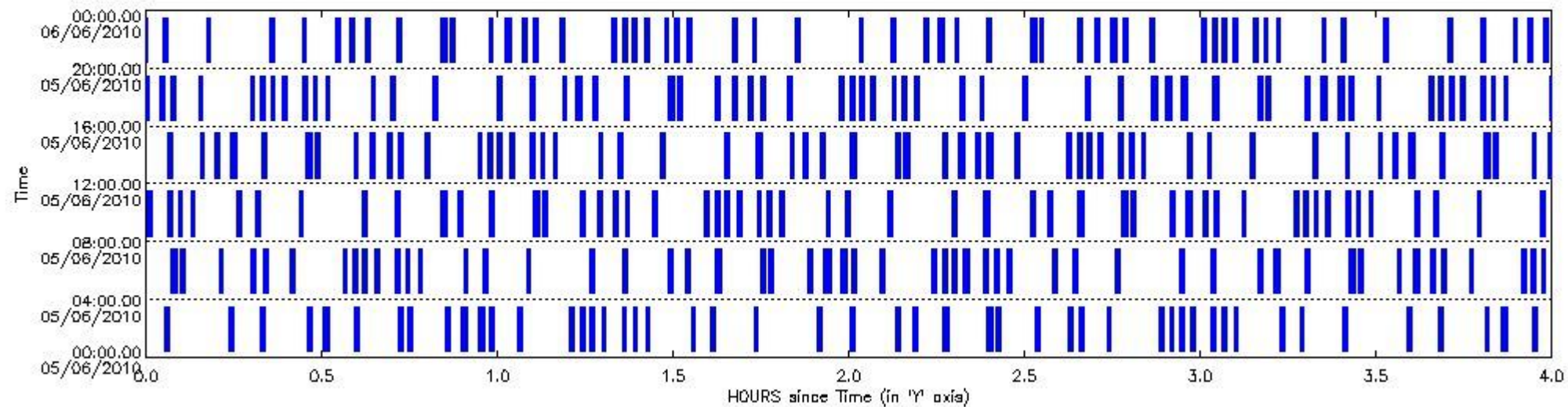
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

No missing products.

2.4 Summary of processed GOM_TRA_1P products

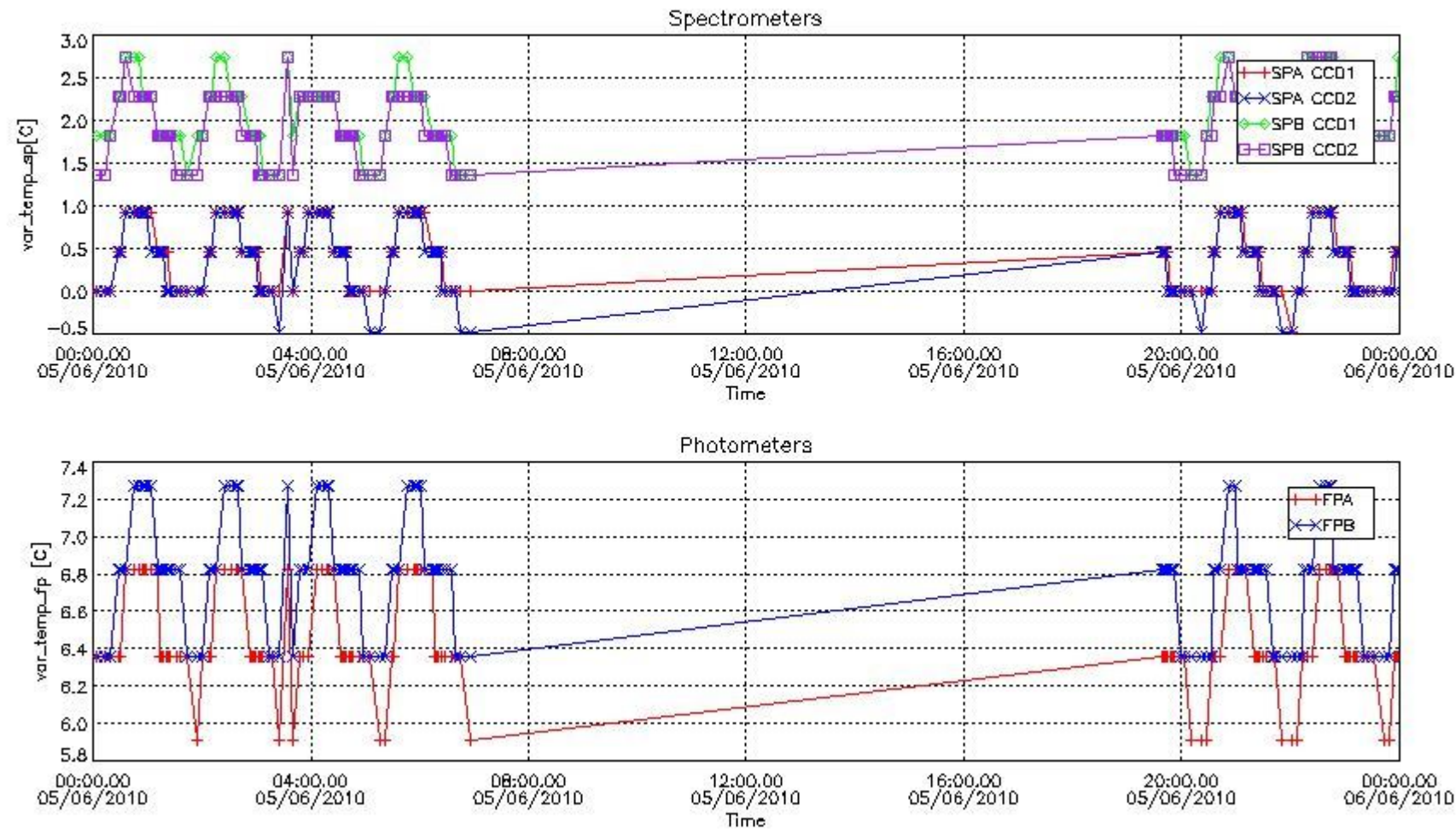
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100605_000308_000000412090_00059_43199_6536.N1	05-JUN-2010 00:03:08	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43199	No
2	GOM_TRA_1PNPDE20100605_001400_000000482090_00059_43199_6537.N1	05-JUN-2010 00:14:00	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43199	No
3	GOM_TRA_1PNPDE20100605_001926_000000562090_00059_43199_6538.N1	05-JUN-2010 00:19:26	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43199	No
4	GOM_TRA_1PNPDE20100605_002722_000000482090_00059_43199_6539.N1	05-JUN-2010 00:27:22	Bright	48.000	53	43Bet And	2.0480	3300.0	96	43199	No
5	GOM_TRA_1PNPDE20100605_003011_000000562090_00059_43199_6540.N1	05-JUN-2010 00:30:11	Twilight	56.000	58	21Alp And	2.0730	11000.	112	43199	No
6	GOM_TRA_1PNPDE20100605_003526_000000552090_00059_43199_6541.N1	05-JUN-2010 00:35:26	Dark	55.000	140	88Gam Peg	2.8340	26000.	110	43199	No
7	GOM_TRA_1PNPDE20100605_004431_000000482090_00059_43199_6552.N1	05-JUN-2010 00:44:31	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	43199	No
8	GOM_TRA_1PNPDE20100605_005108_000000452090_00059_43199_6553.N1	05-JUN-2010 00:51:08	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43199	No
9	GOM_TRA_1PNPDE20100605_005348_000000562090_00059_43199_6554.N1	05-JUN-2010 00:53:48	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	43199	No
10	GOM_TRA_1PNPDE20100605_005644_000000622090_00060_43200_6555.N1	05-JUN-2010 00:56:44	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	43200	No
11	GOM_TRA_1PNPDE20100605_005841_000000472090_00060_43200_6556.N1	05-JUN-2010 00:58:41	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43200	No
12	GOM_TRA_1PNPDE20100605_010324_000000442090_00060_43200_6557.N1	05-JUN-2010 01:03:24	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43200	No

13	GOM_TRA_1PNPDE20100605_011219_000000452090_00060_43200_6558.N1	05-JUN-2010 01:12:19	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43200	No
14	GOM_TRA_1PNPDE20100605_011405_000000452090_00060_43200_6559.N1	05-JUN-2010 01:14:05	Twilight_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43200	No
15	GOM_TRA_1PNPDE20100605_011546_000000442090_00060_43200_6560.N1	05-JUN-2010 01:15:46	Twilight_stray	44.000	75	26Eps Sco	2.2910	4250.0	88	43200	No
16	GOM_TRA_1PNPDE20100605_011745_000000462090_00060_43200_6561.N1	05-JUN-2010 01:17:45	Bright	45.500	136	23Tau Sco	2.8220	30000.	91	43200	No
17	GOM_TRA_1PNPDE20100605_012116_000000442090_00060_43200_6562.N1	05-JUN-2010 01:21:16	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43200	No
18	GOM_TRA_1PNPDE20100605_012304_000000412090_00060_43200_6563.N1	05-JUN-2010 01:23:04	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43200	No
19	GOM_TRA_1PNPDE20100605_012513_000000382090_00060_43200_6564.N1	05-JUN-2010 01:25:13	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43200	No
20	GOM_TRA_1PNPDE20100605_013304_000000412090_00060_43200_6565.N1	05-JUN-2010 01:33:04	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	43200	No
21	GOM_TRA_1PNPDE20100605_013623_000000442090_00060_43200_6566.N1	05-JUN-2010 01:36:23	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43200	No
22	GOM_TRA_1PNPDE20100605_014343_000000452090_00060_43200_6567.N1	05-JUN-2010 01:43:43	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	43200	No
23	GOM_TRA_1PNPDE20100605_015435_000000492090_00060_43200_6568.N1	05-JUN-2010 01:54:35	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43200	No
24	GOM_TRA_1PNPDE20100605_020002_000000562090_00060_43200_6569.N1	05-JUN-2010 02:00:02	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43200	No
25	GOM_TRA_1PNPDE20100605_020758_000000472090_00060_43200_6570.N1	05-JUN-2010 02:07:58	Bright	47.000	53	43Bet And	2.0480	3300.0	94	43200	No
26	GOM_TRA_1PNPDE20100605_021047_000000572090_00060_43200_6571.N1	05-JUN-2010 02:10:47	Twilight_stray	56.500	58	21Alp And	2.0730	11000.	113	43200	No
27	GOM_TRA_1PNPDE20100605_021602_000000572090_00060_43200_6572.N1	05-JUN-2010 02:16:02	Dark	57.000	140	88Gam Peg	2.8340	26000.	114	43200	No
28	GOM_TRA_1PNPDE20100605_022507_000000502090_00060_43200_6564.N1	05-JUN-2010 02:25:07	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	43200	No
29	GOM_TRA_1PNPDE20100605_023145_000000492090_00060_43200_6565.N1	05-JUN-2010 02:31:45	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	43200	No
30	GOM_TRA_1PNPDE20100605_023721_000000592090_00061_43201_6566.N1	05-JUN-2010 02:37:21	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43201	No
31	GOM_TRA_1PNPDE20100605_023918_000000512090_00061_43201_6567.N1	05-JUN-2010 02:39:18	Dark	51.000	31	Alp Gru	1.7340	15200.	102	43201	No
32	GOM_TRA_1PNPDE20100605_024401_000000442090_00061_43201_6568.N1	05-JUN-2010 02:44:01	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43201	No
33	GOM_TRA_1PNPDE20100605_025255_000000472090_00061_43201_6569.N1	05-JUN-2010 02:52:55	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43201	No
34	GOM_TRA_1PNPDE20100605_025442_000000482090_00061_43201_6570.N1	05-JUN-2010 02:54:42	Twilight_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43201	No
35	GOM_TRA_1PNPDE20100605_025622_000000472090_00061_43201_6571.N1	05-JUN-2010 02:56:22	Twilight_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43201	No
36	GOM_TRA_1PNPDE20100605_025821_000000522090_00061_43201_6572.N1	05-JUN-2010 02:58:21	Bright	52.000	136	23Tau Sco	2.8220	30000.	104	43201	No
37	GOM_TRA_1PNPDE20100605_030152_000000452090_00061_43201_6573.N1	05-JUN-2010 03:01:52	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	43201	No
38	GOM_TRA_1PNPDE20100605_030340_000000402090_00061_43201_6574.N1	05-JUN-2010 03:03:40	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43201	No
39	GOM_TRA_1PNPDE20100605_030549_000000382090_00061_43201_6575.N1	05-JUN-2010 03:05:49	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43201	No
40	GOM_TRA_1PNPDE20100605_031340_000000402090_00061_43201_6576.N1	05-JUN-2010 03:13:40	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43201	No
41	GOM_TRA_1PNPDE20100605_031659_000000402090_00061_43201_6577.N1	05-JUN-2010 03:16:59	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	43201	No
42	GOM_TRA_1PNPDE20100605_032418_000000462090_00061_43201_6578.N1	05-JUN-2010 03:24:18	Bright	45.500	130	23Bet Dra	2.7990	5800.0	91	43201	No
43	GOM_TRA_1PNPDE20100605_033510_000000482090_00061_43201_6593.N1	05-JUN-2010 03:35:10	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43201	Yes
44	GOM_TRA_1PNPDE20100605_034038_000000412090_00061_43201_6594.N1	05-JUN-2010 03:40:38	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	43201	No
45	GOM_TRA_1PNPDE20100605_034834_000000462090_00061_43201_6595.N1	05-JUN-2010 03:48:34	Bright	46.000	53	43Bet And	2.0480	3300.0	92	43201	No
46	GOM_TRA_1PNPDE20100605_035123_000000572090_00061_43201_6596.N1	05-JUN-2010 03:51:23	Twilight_stray	57.000	58	21Alp And	2.0730	11000.	114	43201	No
47	GOM_TRA_1PNPDE20100605_035639_000000562090_00061_43201_6597.N1	05-JUN-2010 03:56:39	Dark	55.500	140	88Gam Peg	2.8340	26000.	111	43201	No
48	GOM_TRA_1PNPDE20100605_040544_000000522090_00061_43201_6598.N1	05-JUN-2010 04:05:44	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	43201	No
49	GOM_TRA_1PNPDE20100605_041222_000000432090_00061_43201_6599.N1	05-JUN-2010 04:12:22	Dark	42.500	84	Alp Phe	2.3970	4500.0	85	43201	No
50	GOM_TRA_1PNPDE20100605_041758_000000472090_00062_43202_6600.N1	05-JUN-2010 04:17:58	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	43202	No
51	GOM_TRA_1PNPDE20100605_041954_000000462090_00062_43202_6601.N1	05-JUN-2010 04:19:54	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43202	No
52	GOM_TRA_1PNPDE20100605_042437_000000442090_00062_43202_6602.N1	05-JUN-2010 04:24:37	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43202	No
53	GOM_TRA_1PNPDE20100605_043331_000000452090_00062_43202_6603.N1	05-JUN-2010 04:33:31	Straylight	45.000	40	The Sco	1.8590	7100.0	90	43202	No
54	GOM_TRA_1PNPDE20100605_043518_000000492090_00062_43202_6604.N1	05-JUN-2010 04:35:18	Twilight_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43202	No
55	GOM_TRA_1PNPDE20100605_043658_000000462090_00062_43202_6605.N1	05-JUN-2010 04:36:58	Twilight_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43202	No
56	GOM_TRA_1PNPDE20100605_043857_000000462090_00062_43202_6606.N1	05-JUN-2010 04:38:57	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43202	No
57	GOM_TRA_1PNPDE20100605_044228_000000452090_00062_43202_6607.N1	05-JUN-2010 04:42:28	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	43202	No
58	GOM_TRA_1PNPDE20100605_044416_000000412090_00062_43202_6608.N1	05-JUN-2010 04:44:16	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43202	No
59	GOM_TRA_1PNPDE20100605_044625_000000382090_00062_43202_6609.N1	05-JUN-2010 04:46:25	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43202	No
60	GOM_TRA_1PNPDE20100605_045415_000000392090_00062_43202_6610.N1	05-JUN-2010 04:54:15	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	43202	No
61	GOM_TRA_1PNPDE20100605_045735_000000432090_00062_43202_6611.N1	05-JUN-2010 04:57:35	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	43202	No
62	GOM_TRA_1PNPDE20100605_050454_000000412090_00062_43202_6612.N1	05-JUN-2010 05:04:54	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43202	No
63	GOM_TRA_1PNPDE20100605_051546_000000482090_00062_43202_6613.N1	05-JUN-2010 05:15:46	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43202	No
64	GOM_TRA_1PNPDE20100605_052114_000000482090_00062_43202_6617.N1	05-JUN-2010 05:21:14	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43202	No
65	GOM_TRA_1PNPDE20100605_052910_000000492090_00062_43202_6618.N1	05-JUN-2010 05:29:10	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43202	No
66	GOM_TRA_1PNPDE20100605_053159_000000552090_00062_43202_6619.N1	05-JUN-2010 05:31:59	Twilight_stray	54.500	58	21Alp And	2.0730	11000.	109	43202	No
67	GOM_TRA_1PNPDE20100605_053715_000000562090_00062_43202_6620.N1	05-JUN-2010 05:37:15	Dark	56.000	140	88Gam Peg	2.8340	26000.	112	43202	No
68	GOM_TRA_1PNPDE20100605_054620_000000462090_00062_43202_6621.N1	05-JUN-2010 05:46:20	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43202	No
69	GOM_TRA_1PNPDE20100605_055258_000000462090_00062_43202_6622.N1	05-JUN-2010 05:52:58	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43202	No
70	GOM_TRA_1PNPDE20100605_055540_000000722090_00062_43202_6623.N1	05-JUN-2010 05:55:40	Dark	72.000	18	24Alp PsA	1.1660	9700.0	144	43202	No
71	GOM_TRA_1PNPDE20100605_055835_000000632090_00063_43203_6624.N1	05-JUN-2010 05:58:35	Dark	63.000	63	Bet Gru	2.1500	2800.0	126	43203	No

72	GOM_TRA_1PNPDE20100605_060031_000000482090_00063_43203_6625.N1	05-JUN-2010 06:00:31	Dark	48.000	31	Alp Gru	1.7340	15200.	96	43203	No
73	GOM_TRA_1PNPDE20100605_060514_000000432090_00063_43203_6626.N1	05-JUN-2010 06:05:14	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43203	No
74	GOM_TRA_1PNPDE20100605_061408_000000452090_00063_43203_6627.N1	05-JUN-2010 06:14:08	Straylight	45.000	40	The Sco	1.8590	7100.0	90	43203	No
75	GOM_TRA_1PNPDE20100605_061554_000000482090_00063_43203_6628.N1	05-JUN-2010 06:15:54	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	43203	No
76	GOM_TRA_1PNPDE20100605_061734_000000462090_00063_43203_6629.N1	05-JUN-2010 06:17:34	Tw_i_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	43203	No
77	GOM_TRA_1PNPDE20100605_061933_000000552090_00063_43203_6630.N1	05-JUN-2010 06:19:33	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	43203	No
78	GOM_TRA_1PNPDE20100605_062304_000000442090_00063_43203_6631.N1	05-JUN-2010 06:23:04	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43203	No
79	GOM_TRA_1PNPDE20100605_062452_000000412090_00063_43203_6632.N1	05-JUN-2010 06:24:52	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43203	No
80	GOM_TRA_1PNPDE20100605_062701_000000382090_00063_43203_6633.N1	05-JUN-2010 06:27:01	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43203	No
81	GOM_TRA_1PNPDE20100605_063451_000000412090_00063_43203_6634.N1	05-JUN-2010 06:34:51	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43203	No
82	GOM_TRA_1PNPDE20100605_063810_000000442090_00063_43203_6635.N1	05-JUN-2010 06:38:10	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43203	No
83	GOM_TRA_1PNPDE20100605_064529_000000452090_00063_43203_6636.N1	05-JUN-2010 06:45:29	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	43203	No
84	GOM_TRA_1PNPDE20100605_065621_000000492090_00063_43203_6637.N1	05-JUN-2010 06:56:21	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43203	No
85	GOM_TRA_1PNPDE20100605_193858_000000482090_00071_43211_6733.N1	05-JUN-2010 19:38:58	Straylight	48.000	40	The Sco	1.8590	7100.0	96	43211	No
86	GOM_TRA_1PNPDE20100605_194044_000000462090_00071_43211_6734.N1	05-JUN-2010 19:40:44	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43211	No
87	GOM_TRA_1PNPDE20100605_194224_000000522090_00071_43211_6735.N1	05-JUN-2010 19:42:24	Tw_i_and_stray	52.000	75	26Eps Sco	2.2910	4250.0	104	43211	No
88	GOM_TRA_1PNPDE20100605_194422_000000452090_00071_43211_6736.N1	05-JUN-2010 19:44:22	Bright	45.000	136	23Tau Sco	2.8220	30000.	90	43211	No
89	GOM_TRA_1PNPDE20100605_194752_000000452090_00071_43211_6737.N1	05-JUN-2010 19:47:52	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	43211	No
90	GOM_TRA_1PNPDE20100605_194940_000000412090_00071_43211_6738.N1	05-JUN-2010 19:49:40	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43211	No
91	GOM_TRA_1PNPDE20100605_195149_000000382090_00071_43211_6739.N1	05-JUN-2010 19:51:49	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43211	No
92	GOM_TRA_1PNPDE20100605_195936_000000402090_00071_43211_6740.N1	05-JUN-2010 19:59:36	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43211	No
93	GOM_TRA_1PNPDE20100605_200254_000000412090_00071_43211_6741.N1	05-JUN-2010 20:02:54	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43211	No
94	GOM_TRA_1PNPDE20100605_201012_000000452090_00071_43211_6742.N1	05-JUN-2010 20:10:12	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	43211	No
95	GOM_TRA_1PNPDE20100605_202103_000000482090_00071_43211_6743.N1	05-JUN-2010 20:21:03	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43211	No
96	GOM_TRA_1PNPDE20100605_202636_000000372090_00071_43211_6744.N1	05-JUN-2010 20:26:36	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	43211	No
97	GOM_TRA_1PNPDE20100605_203216_000000542090_00071_43211_6745.N1	05-JUN-2010 20:32:16	Bright	54.000	73	57Gam1And	2.2600	13100.	108	43211	No
98	GOM_TRA_1PNPDE20100605_203435_000000542090_00071_43211_6746.N1	05-JUN-2010 20:34:35	Bright	54.000	53	43Bet And	2.0480	3300.0	108	43211	No
99	GOM_TRA_1PNPDE20100605_203724_000000522090_00071_43211_6747.N1	05-JUN-2010 20:37:24	Tw_i_and_stray	52.000	58	21Alp And	2.0730	11000.	104	43211	No
100	GOM_TRA_1PNPDE20100605_204244_000000572090_00071_43211_6748.N1	05-JUN-2010 20:42:44	Dark	57.000	140	88Gam Peg	2.8340	26000.	114	43211	No
101	GOM_TRA_1PNPDE20100605_205150_000000532090_00071_43211_6751.N1	05-JUN-2010 20:51:50	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	43211	No
102	GOM_TRA_1PNPDE20100605_205827_000000452090_00071_43211_6752.N1	05-JUN-2010 20:58:27	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	43211	No
103	GOM_TRA_1PNPDE20100605_210116_000000572090_00071_43211_6753.N1	05-JUN-2010 21:01:16	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	43211	No
104	GOM_TRA_1PNPDE20100605_210406_000000602090_00072_43212_6754.N1	05-JUN-2010 21:04:06	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43212	No
105	GOM_TRA_1PNPDE20100605_210603_000000472090_00072_43212_6755.N1	05-JUN-2010 21:06:03	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43212	No
106	GOM_TRA_1PNPDE20100605_211044_000000452090_00072_43212_6756.N1	05-JUN-2010 21:10:44	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	43212	No
107	GOM_TRA_1PNPDE20100605_211935_000000442090_00072_43212_6757.N1	05-JUN-2010 21:19:35	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43212	No
108	GOM_TRA_1PNPDE20100605_212121_000000452090_00072_43212_6758.N1	05-JUN-2010 21:21:21	Tw_i_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43212	No
109	GOM_TRA_1PNPDE20100605_212300_000000432090_00072_43212_6759.N1	05-JUN-2010 21:23:00	Tw_i_and_stray	43.000	75	26Eps Sco	2.2910	4250.0	86	43212	No
110	GOM_TRA_1PNPDE20100605_212459_000000552090_00072_43212_6760.N1	05-JUN-2010 21:24:59	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	43212	No
111	GOM_TRA_1PNPDE20100605_212828_000000442090_00072_43212_6761.N1	05-JUN-2010 21:28:28	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43212	No
112	GOM_TRA_1PNPDE20100605_213016_000000412090_00072_43212_6762.N1	05-JUN-2010 21:30:16	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43212	No
113	GOM_TRA_1PNPDE20100605_213225_000000382090_00072_43212_6763.N1	05-JUN-2010 21:32:25	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43212	No
114	GOM_TRA_1PNPDE20100605_214012_000000402090_00072_43212_6764.N1	05-JUN-2010 21:40:12	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43212	No
115	GOM_TRA_1PNPDE20100605_214329_000000412090_00072_43212_6765.N1	05-JUN-2010 21:43:29	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43212	No
116	GOM_TRA_1PNPDE20100605_215047_000000452090_00072_43212_6766.N1	05-JUN-2010 21:50:47	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	43212	No
117	GOM_TRA_1PNPDE20100605_220139_000000472090_00072_43212_6767.N1	05-JUN-2010 22:01:39	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43212	No
118	GOM_TRA_1PNPDE20100605_220712_000000472090_00072_43212_6768.N1	05-JUN-2010 22:07:12	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	43212	No
119	GOM_TRA_1PNPDE20100605_221252_000000382090_00072_43212_6769.N1	05-JUN-2010 22:12:52	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43212	No
120	GOM_TRA_1PNPDE20100605_221511_000000592090_00072_43212_6770.N1	05-JUN-2010 22:15:11	Bright	59.000	53	43Bet And	2.0480	3300.0	118	43212	No
121	GOM_TRA_1PNPDE20100605_221800_000000452090_00072_43212_6771.N1	05-JUN-2010 22:18:00	Tw_i_and_stray	45.000	58	21Alp And	2.0730	11000.	90	43212	No
122	GOM_TRA_1PNPDE20100605_222320_000000522090_00072_43212_6772.N1	05-JUN-2010 22:23:20	Dark	51.500	140	88Gam Peg	2.8340	26000.	103	43212	No
123	GOM_TRA_1PNPDE20100605_223227_000000482090_00072_43212_6773.N1	05-JUN-2010 22:32:27	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	43212	No
124	GOM_TRA_1PNPDE20100605_223904_000000462090_00072_43212_6774.N1	05-JUN-2010 22:39:04	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	43212	No
125	GOM_TRA_1PNPDE20100605_224154_000000582090_00072_43212_6775.N1	05-JUN-2010 22:41:54	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	43212	No
126	GOM_TRA_1PNPDE20100605_224442_000000602090_00073_43213_6776.N1	05-JUN-2010 22:44:42	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43213	No
127	GOM_TRA_1PNPDE20100605_224640_000000482090_00073_43213_6777.N1	05-JUN-2010 22:46:40	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43213	No
128	GOM_TRA_1PNPDE20100605_225120_000000442090_00073_43213_6778.N1	05-JUN-2010 22:51:20	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43213	No
129	GOM_TRA_1PNPDE20100605_230011_000000472090_00073_43213_6779.N1	05-JUN-2010 23:00:11	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43213	No
130	GOM_TRA_1PNPDE20100605_230157_000000482090_00073_43213_6780.N1	05-JUN-2010 23:01:57	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	43213	No

131	GOM_TRA_1PNPDE20100605_230336_000000462090_00073_43213_6781.N1	05-JUN-2010 23:03:36	Twilight_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43213	No
132	GOM_TRA_1PNPDE20100605_230535_000000442090_00073_43213_6782.N1	05-JUN-2010 23:05:35	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	43213	No
133	GOM_TRA_1PNPDE20100605_230904_000000452090_00073_43213_6783.N1	05-JUN-2010 23:09:04	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43213	No
134	GOM_TRA_1PNPDE20100605_231052_000000412090_00073_43213_6784.N1	05-JUN-2010 23:10:52	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43213	No
135	GOM_TRA_1PNPDE20100605_231301_000000402090_00073_43213_6785.N1	05-JUN-2010 23:13:01	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43213	No
136	GOM_TRA_1PNPDE20100605_232048_000000402090_00073_43213_6786.N1	05-JUN-2010 23:20:48	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43213	No
137	GOM_TRA_1PNPDE20100605_232405_000000432090_00073_43213_6787.N1	05-JUN-2010 23:24:05	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	43213	No
138	GOM_TRA_1PNPDE20100605_233123_000000402090_00073_43213_6788.N1	05-JUN-2010 23:31:23	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43213	No
139	GOM_TRA_1PNPDE20100605_234214_000000492090_00073_43213_6789.N1	05-JUN-2010 23:42:14	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43213	No
140	GOM_TRA_1PNPDE20100605_234748_000000572090_00073_43213_6790.N1	05-JUN-2010 23:47:48	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43213	No
141	GOM_TRA_1PNPDE20100605_235328_000000402090_00073_43213_6791.N1	05-JUN-2010 23:53:28	Bright	39.500	73	57Gam1And	2.2600	13100.	79	43213	No
142	GOM_TRA_1PNPDE20100605_235546_000000592090_00073_43213_6792.N1	05-JUN-2010 23:55:46	Bright	59.000	53	43Bet And	2.0480	3300.0	118	43213	No
143	GOM_TRA_1PNPDE20100605_235836_000000452090_00073_43213_6793.N1	05-JUN-2010 23:58:36	Twilight_stray	45.000	58	21Alp And	2.0730	11000.	90	43213	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

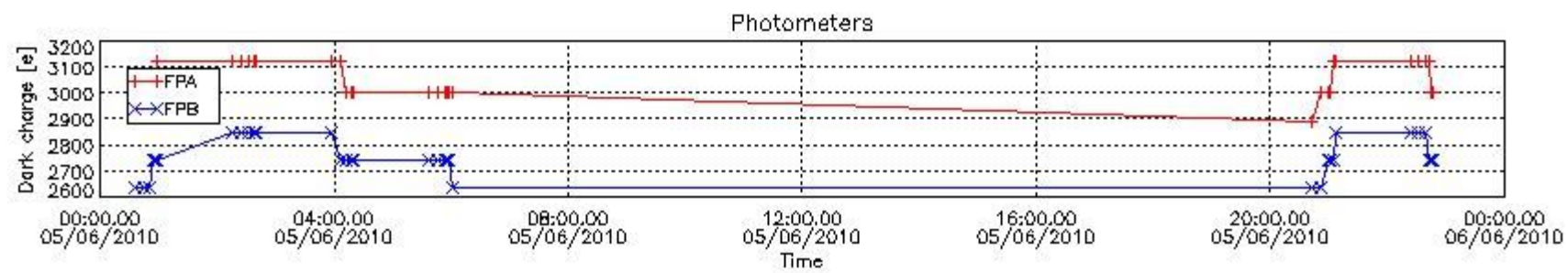
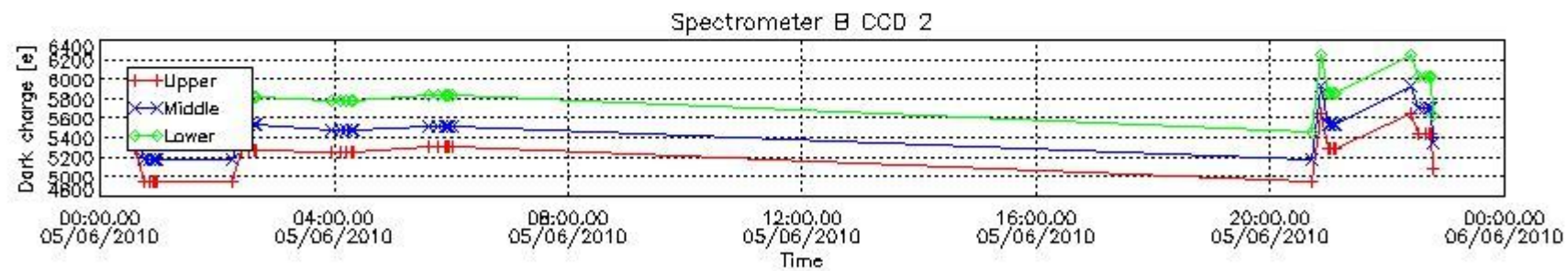
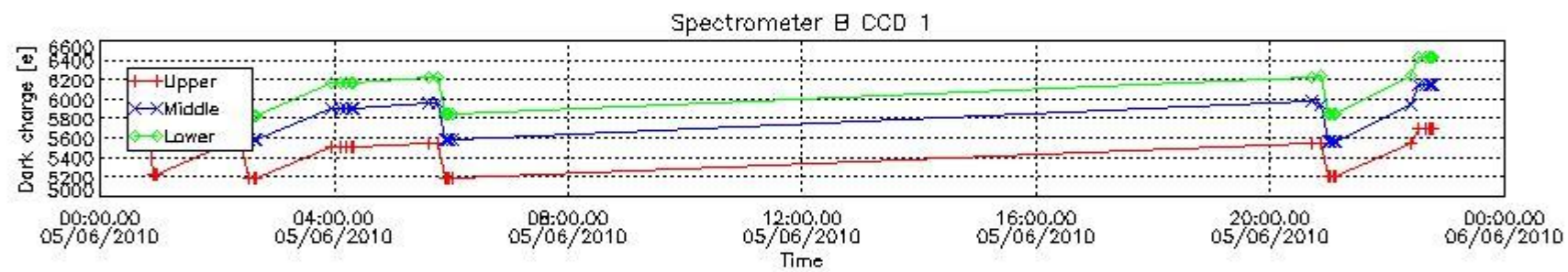
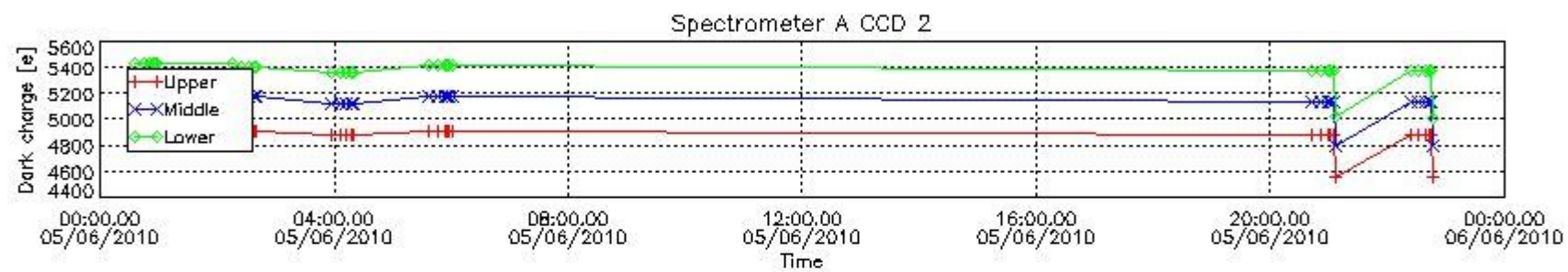
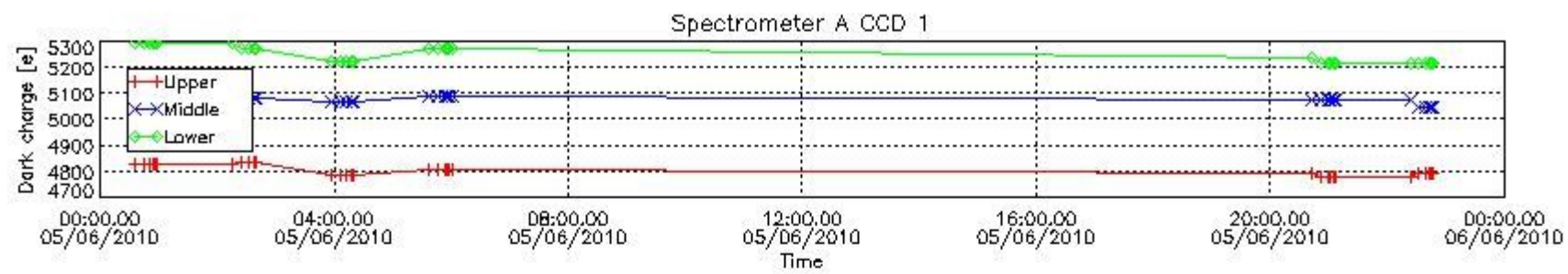
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100605_193858_000000482090_00071_43211_6733.N1	DC map used
GOM_TRA_1PNPDE20100605_194044_000000462090_00071_43211_6734.N1	DC map used
GOM_TRA_1PNPDE20100605_194224_000000522090_00071_43211_6735.N1	DC map used
GOM_TRA_1PNPDE20100605_194422_000000452090_00071_43211_6736.N1	DC map used
GOM_TRA_1PNPDE20100605_194752_000000452090_00071_43211_6737.N1	DC map used
GOM_TRA_1PNPDE20100605_194940_000000412090_00071_43211_6738.N1	DC map used
GOM_TRA_1PNPDE20100605_195149_000000382090_00071_43211_6739.N1	DC map used
GOM_TRA_1PNPDE20100605_195936_000000402090_00071_43211_6740.N1	DC map used
GOM_TRA_1PNPDE20100605_200254_000000412090_00071_43211_6741.N1	DC map used
GOM_TRA_1PNPDE20100605_201012_000000452090_00071_43211_6742.N1	DC map used
GOM_TRA_1PNPDE20100605_202103_000000482090_00071_43211_6743.N1	DC map used
GOM_TRA_1PNPDE20100605_202636_000000372090_00071_43211_6744.N1	DC map used
GOM_TRA_1PNPDE20100605_203216_000000542090_00071_43211_6745.N1	DC map used
GOM_TRA_1PNPDE20100605_203435_000000542090_00071_43211_6746.N1	DC map used
GOM_TRA_1PNPDE20100605_203724_000000522090_00071_43211_6747.N1	DC map used
GOM_TRA_1PNPDE20100605_204244_000000572090_00071_43211_6748.N1	DC map used

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



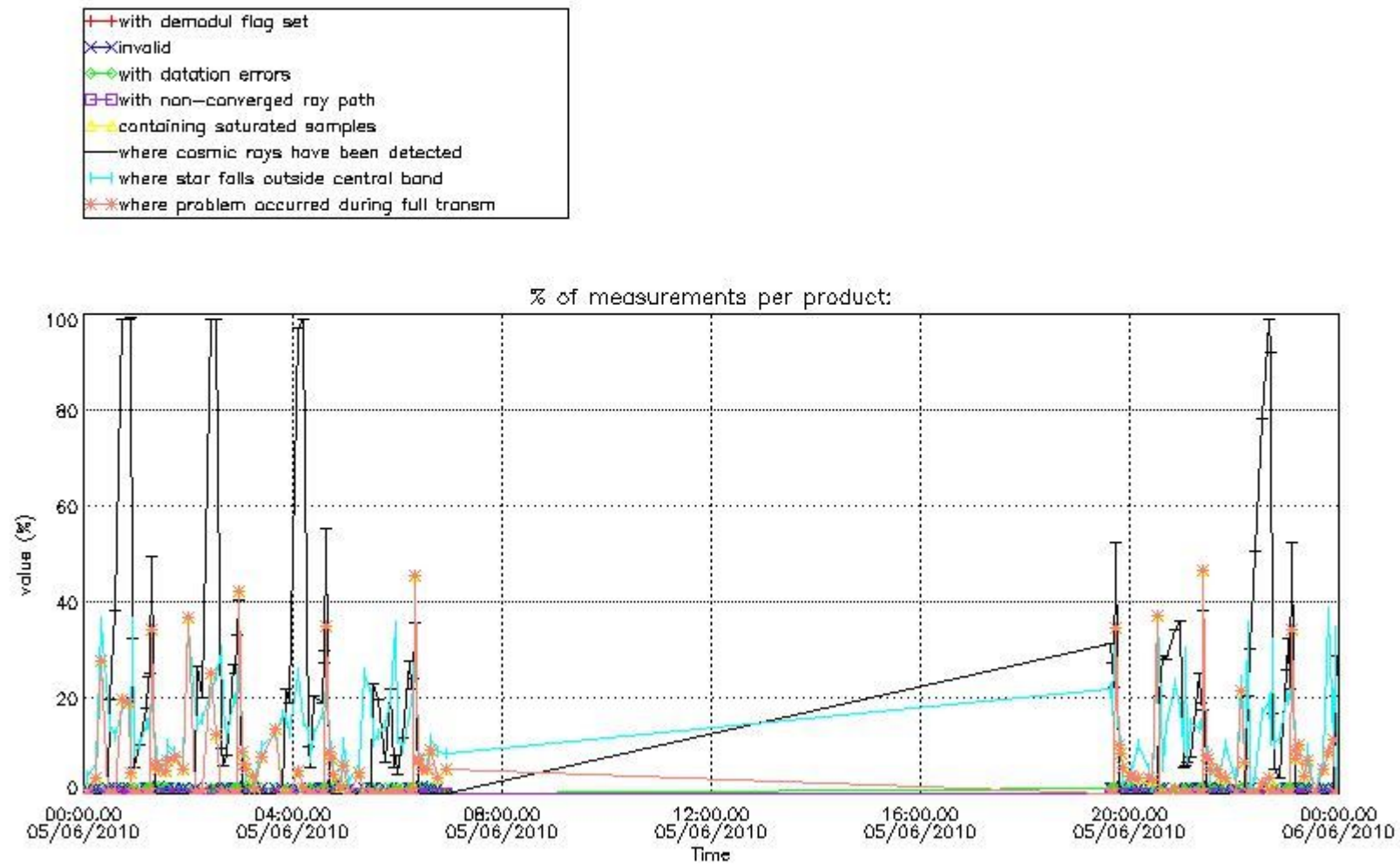
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

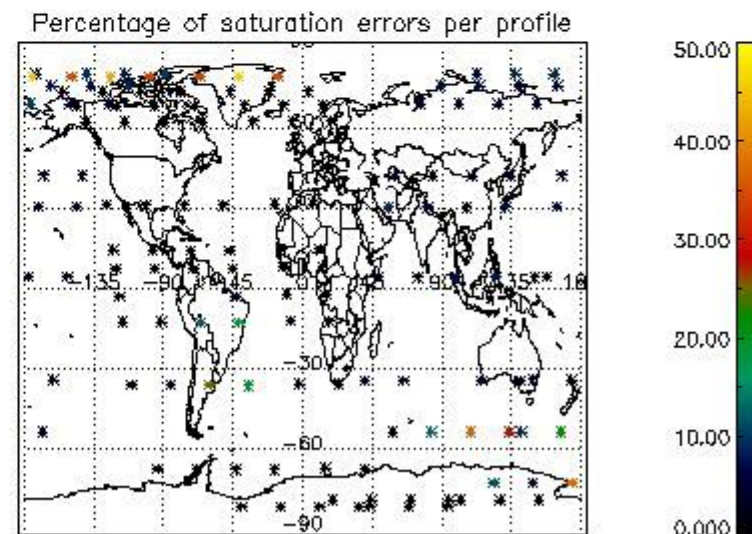
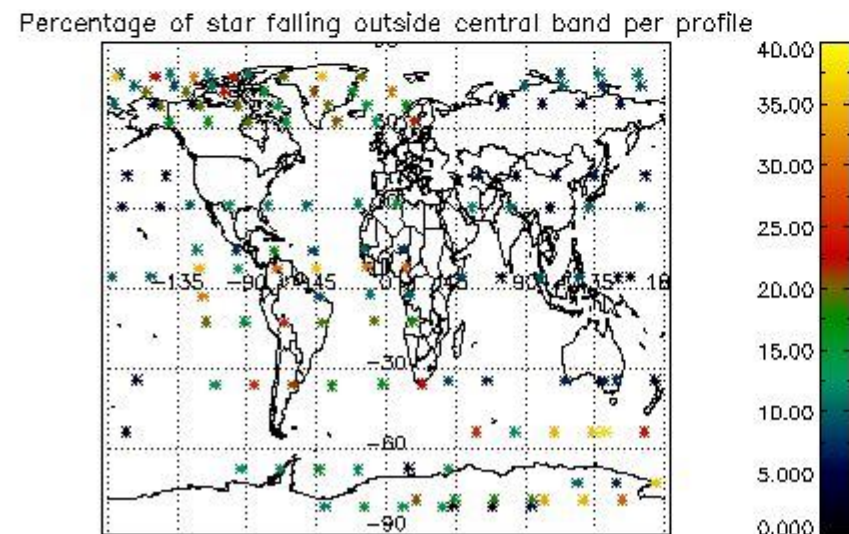
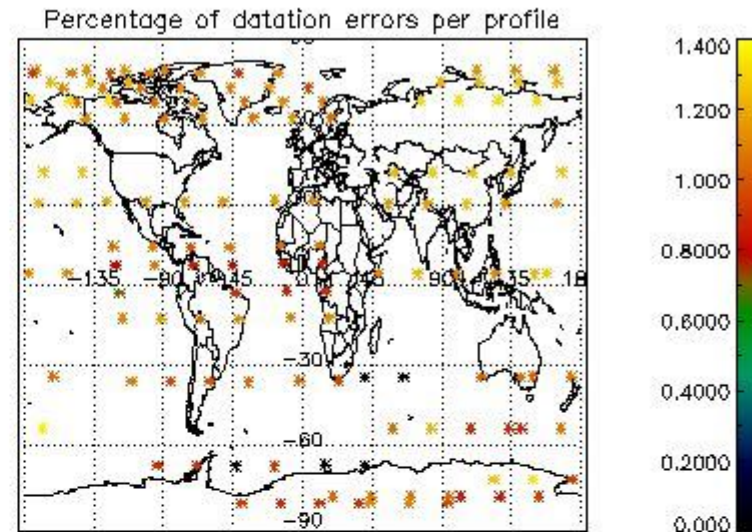
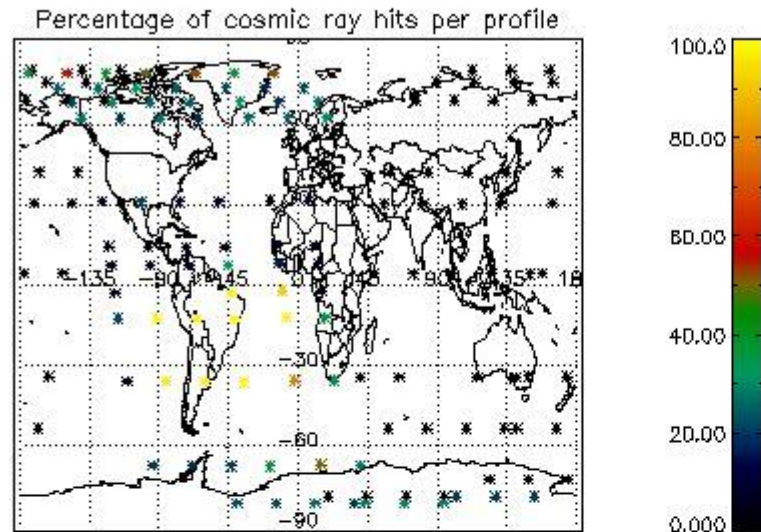
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	44.3662 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



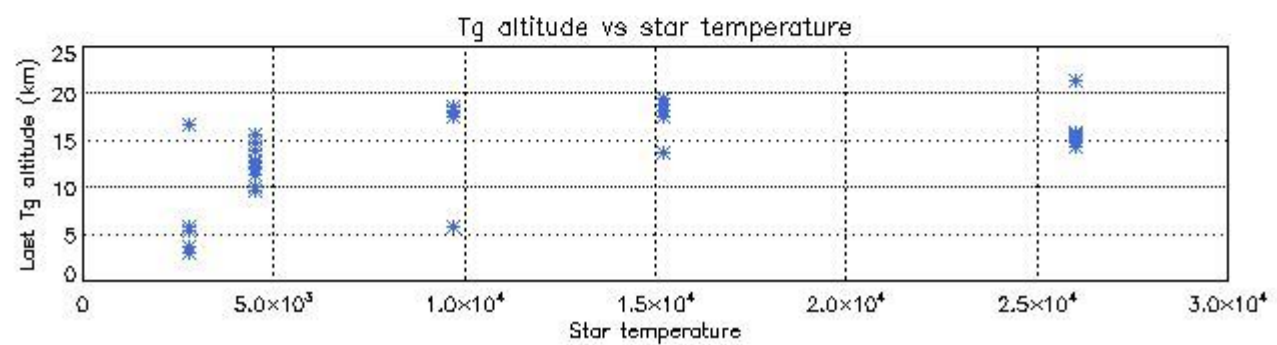
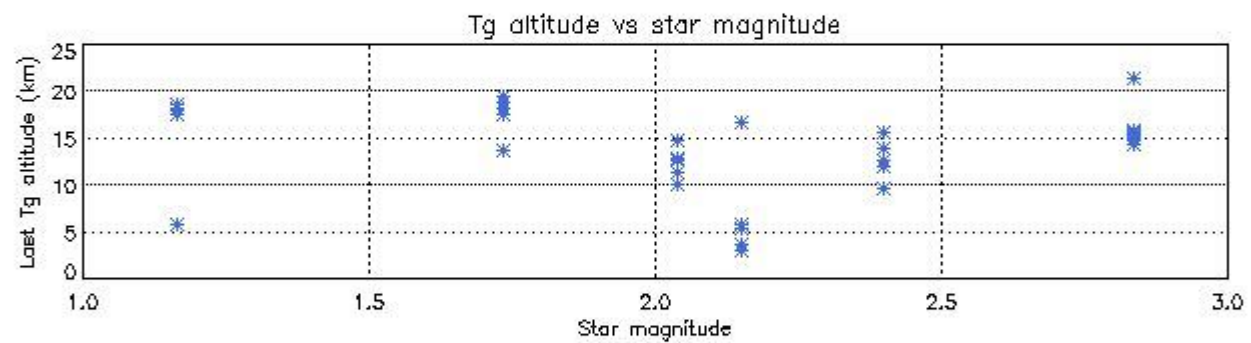
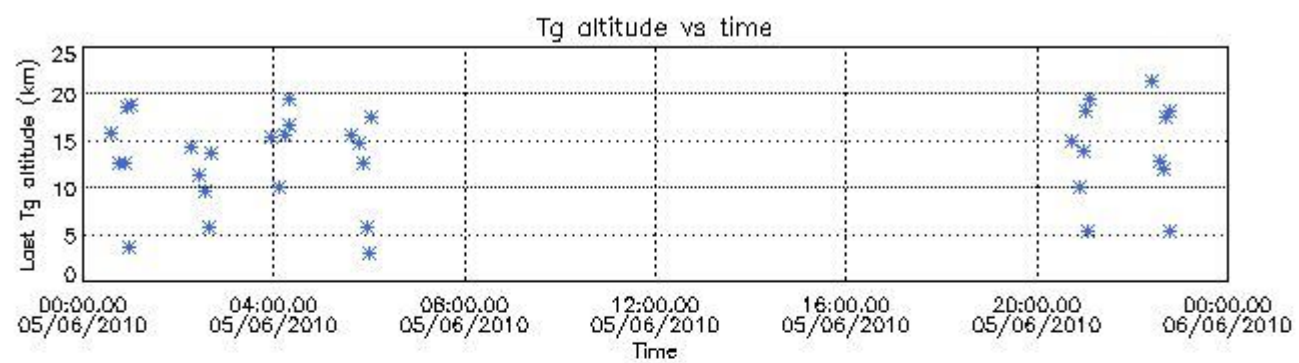
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.288	17.140	NaN
St. deviation:	4.9342	6.1835	NaN
Maximum:	21.360	28.259	NaN
Minimum:	3.0259	3.7346	NaN
Number of data:	34.000	74.000	NaN

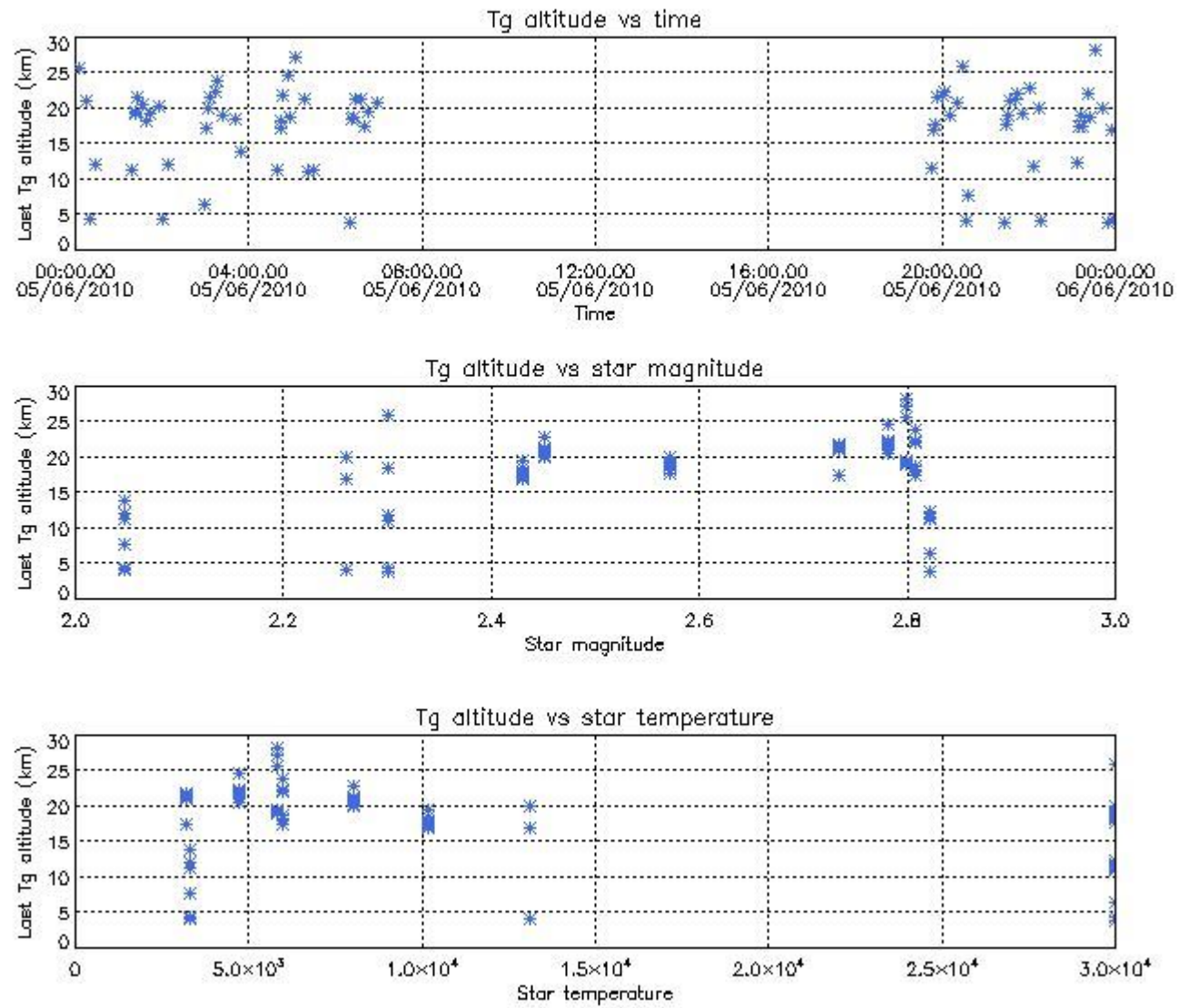
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

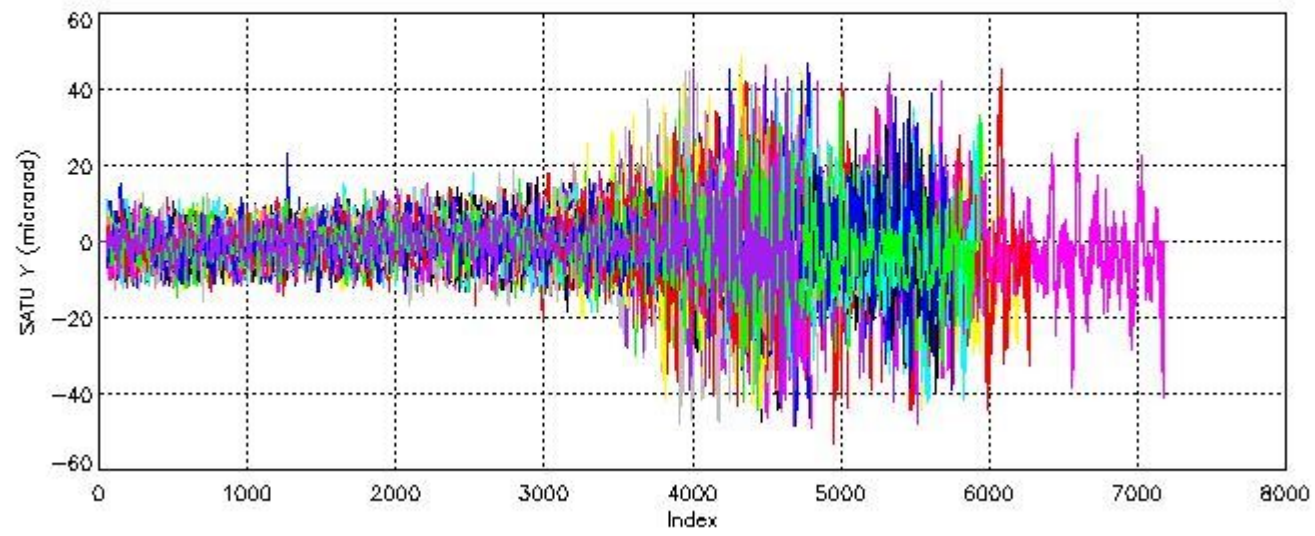
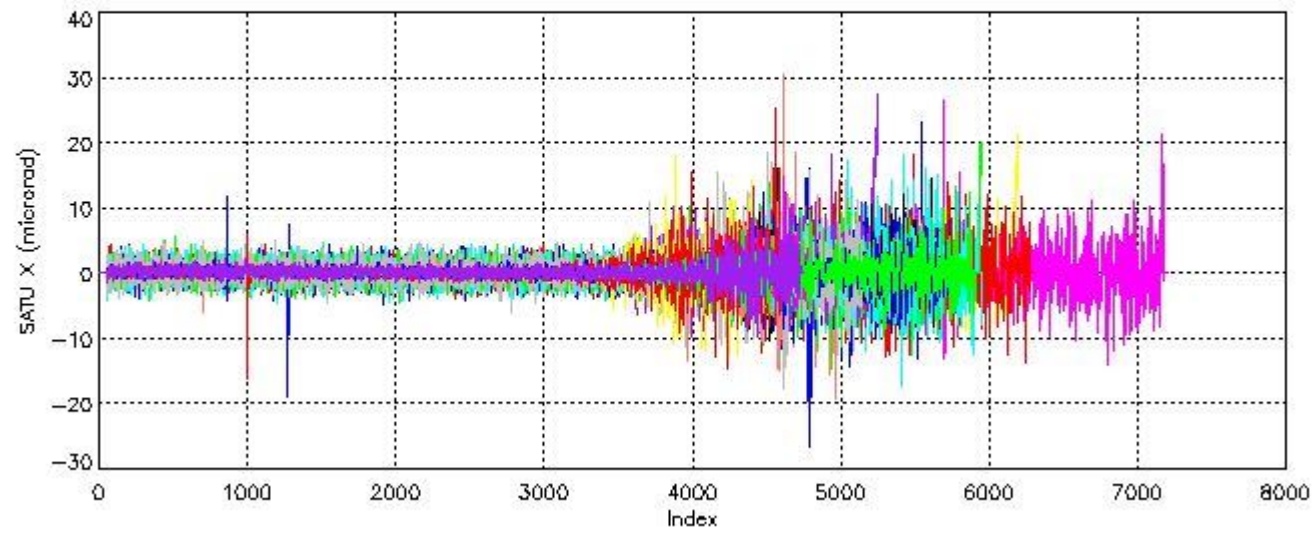


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20161	-0.74610	0.23097	-0.72978
St. deviation:	0.55957	3.7299	0.80285	3.5165
Maximum:	11.900	15.500	4.9000	17.000
Minimum:	-5.9000	-15.600	-6.2000	-16.400

Number of data:	37050.	37050.	72750.	72750.
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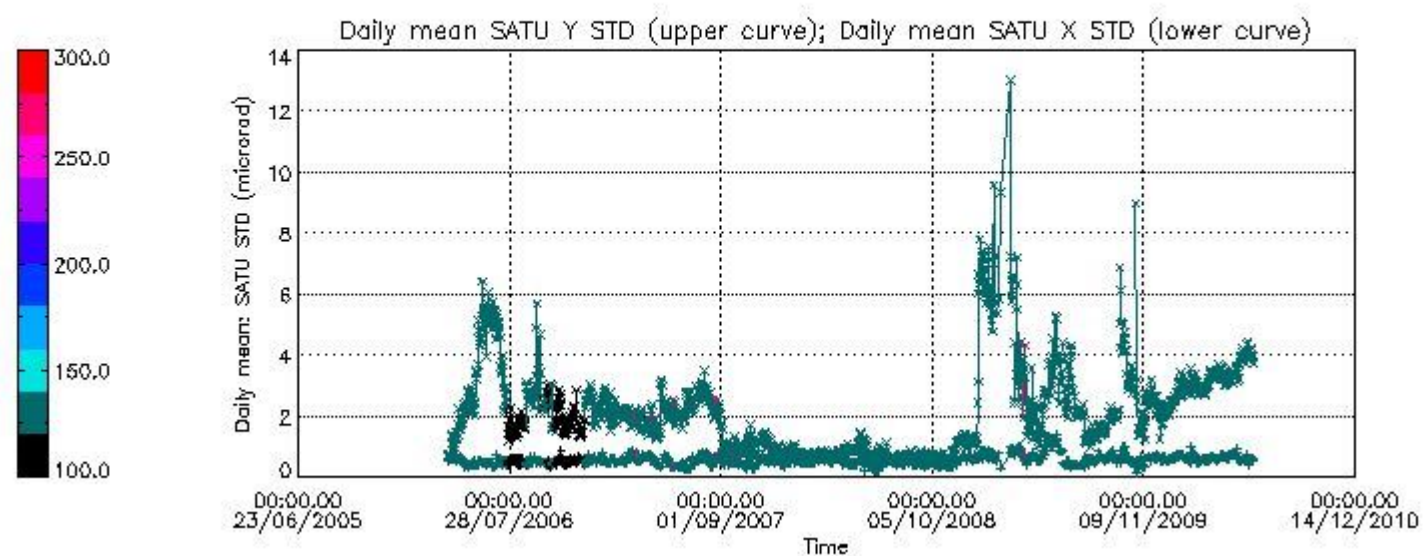
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

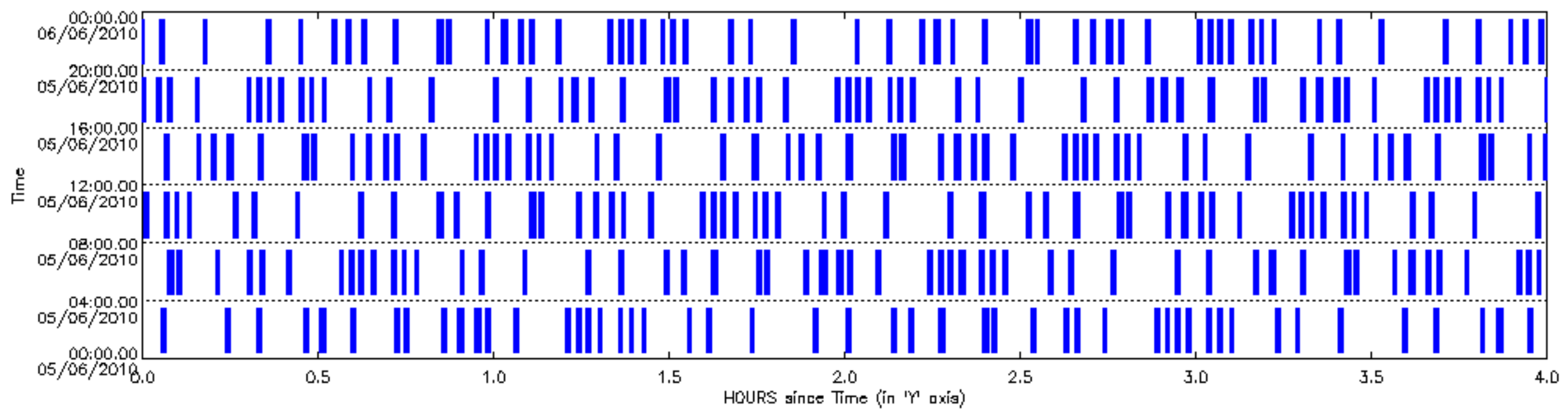
Lower curve: STD of SATU X axis

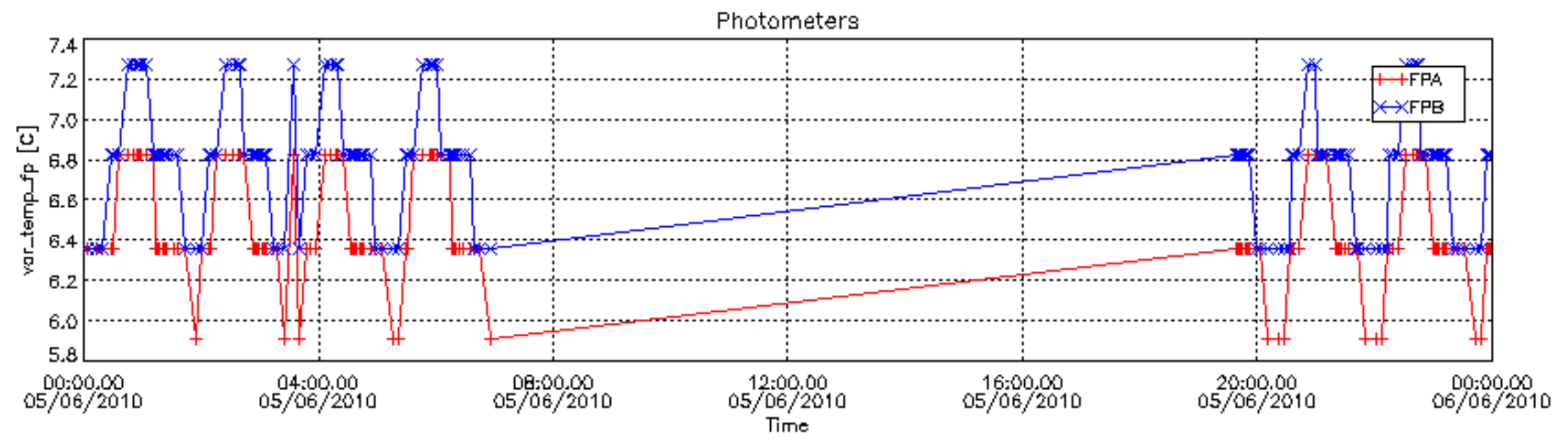
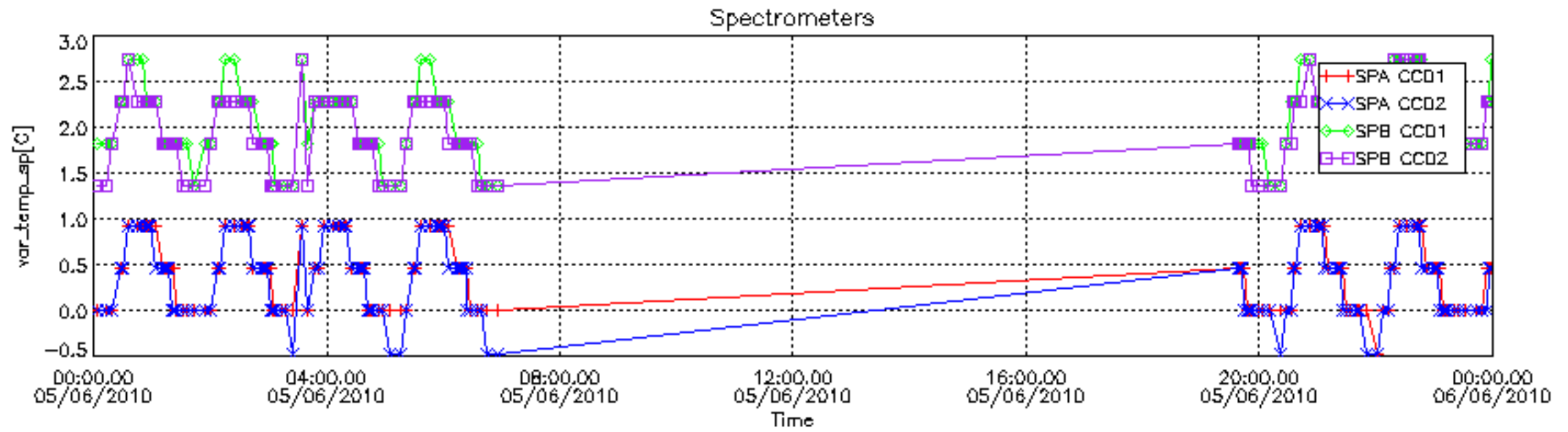


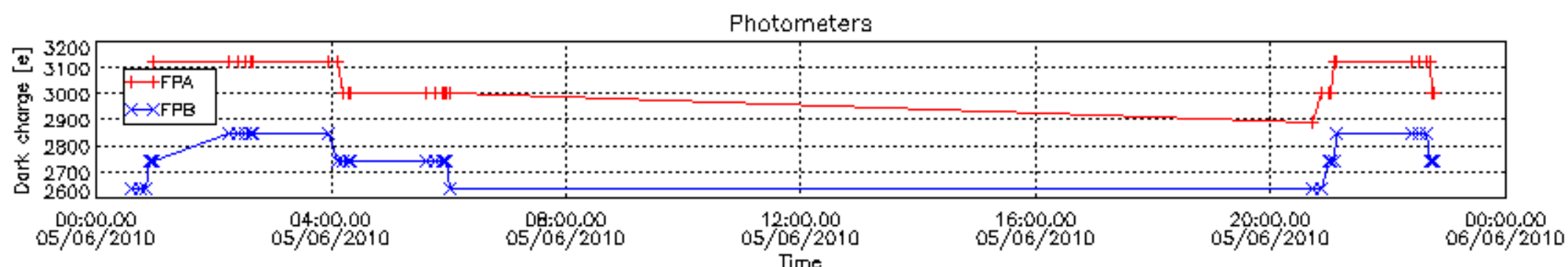
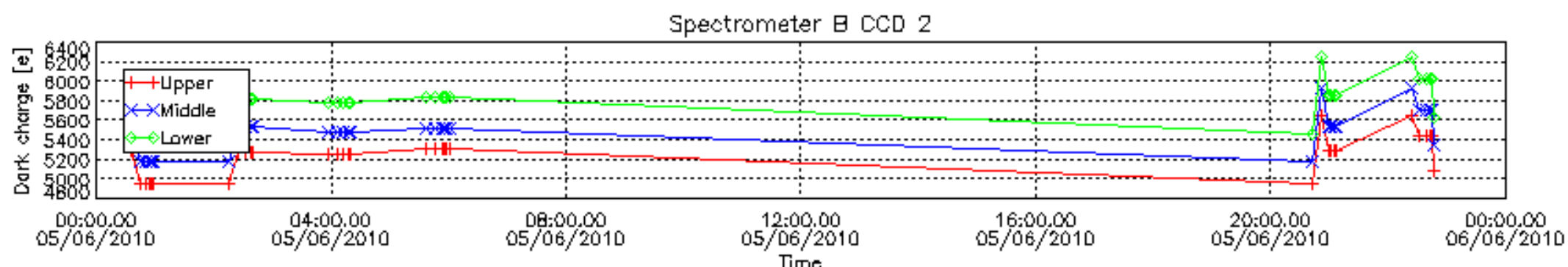
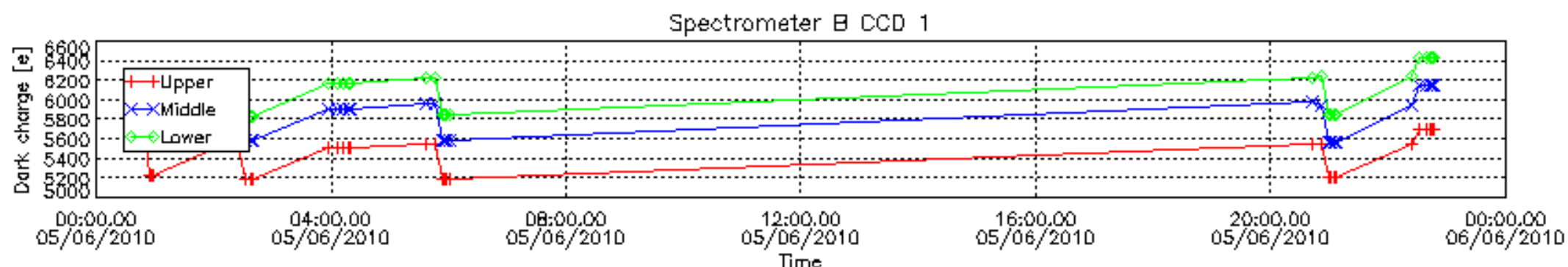
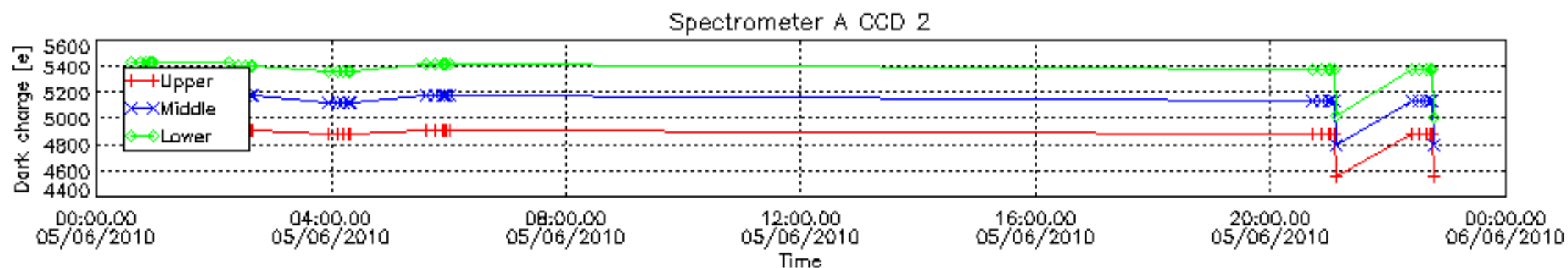
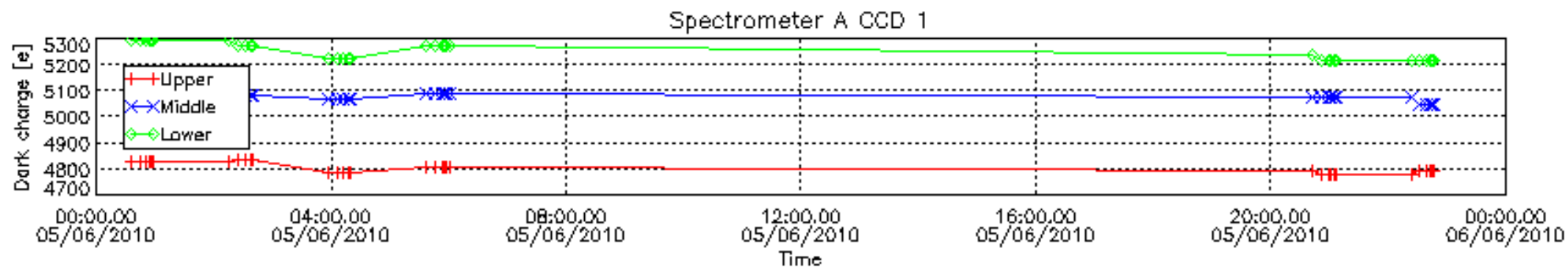
8. Auxiliary Data Files used for the production reported in section 2.4

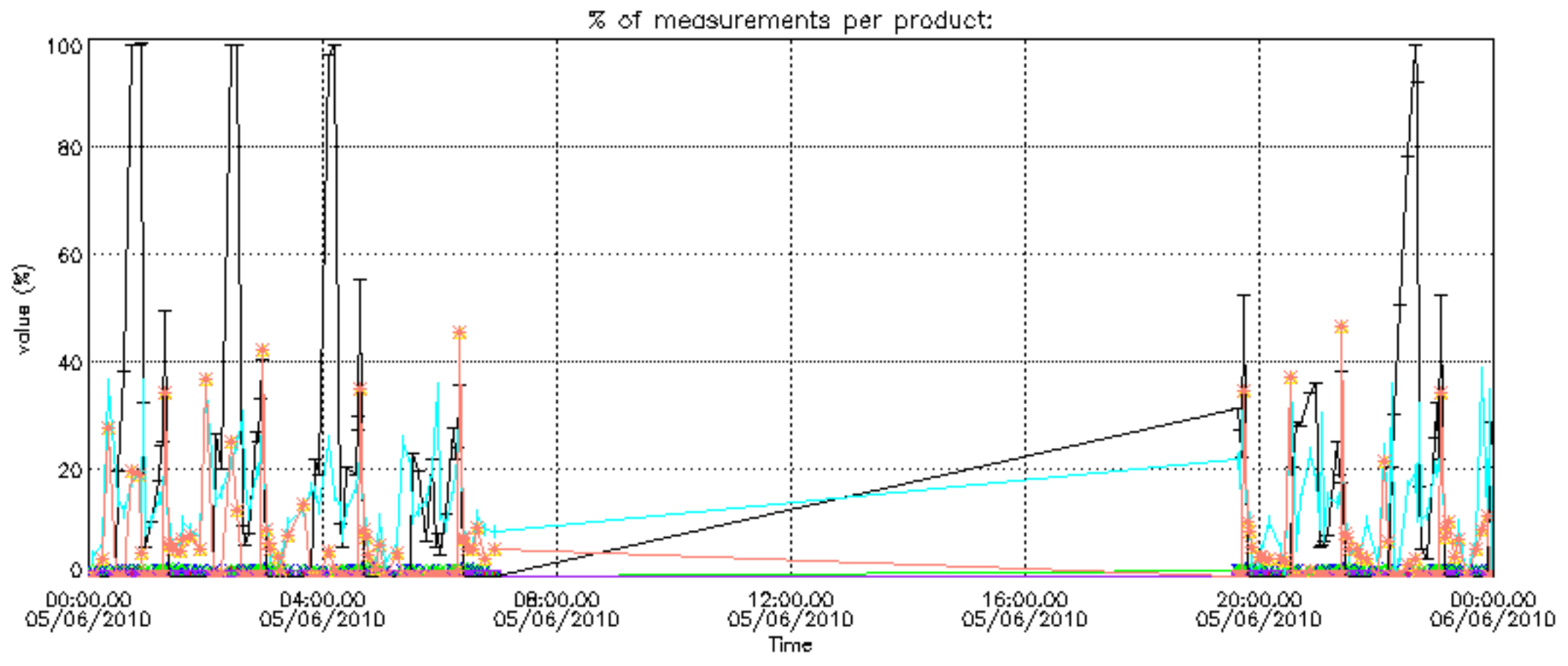
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-JUN-2010 00:03:08
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100604_095219_20100603_000000_20500101_000000	1	05-JUN-2010 00:03:08
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	05-JUN-2010 00:03:08
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	05-JUN-2010 00:03:08
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	05-JUN-2010 00:03:08
ECMWF_FILE	AUX_ECF_AXNECM20100604_055130_20100604_210000_20100605_090000	1	05-JUN-2010 00:03:08
ECMWF_FILE	AUX_ECF_AXNECM20100604_173130_20100605_030000_20100605_150000	43	05-JUN-2010 03:35:10
ECMWF_FILE	AUX_ECA_AXNECM20100605_052113_20100604_210000_20100605_090000	64	05-JUN-2010 05:21:14
ECMWF_FILE	AUX_ECA_AXNECM20100605_170933_20100605_090000_20100605_210000	85	05-JUN-2010 19:38:58
ECMWF_FILE	AUX_ECF_AXNECM20100605_052114_20100605_150000_20100606_030000	101	05-JUN-2010 20:51:50
ECMWF_FILE	AUX_ECF_AXNECM20100605_054114_20100605_210000_20100606_090000	123	05-JUN-2010 22:32:27
OPTIONAL_ECMWF_FILE	MISSING	1	05-JUN-2010 00:03:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100604_225824_000057382090_00058_43198_0486.N1	1	05-JUN-2010 00:03:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100605_003921_000054192090_00059_43199_0487.N1	7	05-JUN-2010 00:44:31
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100604_091130_20100603_184353_20100613_201007	28	05-JUN-2010 02:25:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100605_033441_000057382090_00061_43201_0489.N1	43	05-JUN-2010 03:35:10
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100604_091130_20100603_184353_20100613_201007	64	05-JUN-2010 05:21:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100605_193622_000038252090_00071_43211_0491.N1	85	05-JUN-2010 19:38:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100605_204526_000057382090_00071_43211_0492.N1	101	05-JUN-2010 20:51:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100605_222623_000057382090_00072_43212_0493.N1	123	05-JUN-2010 22:32:27

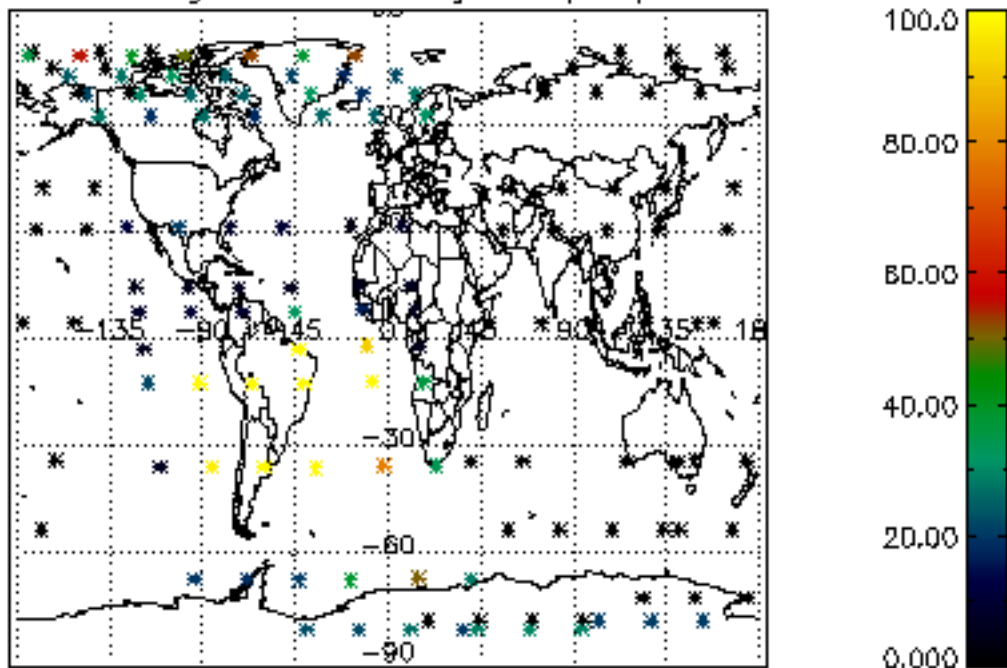




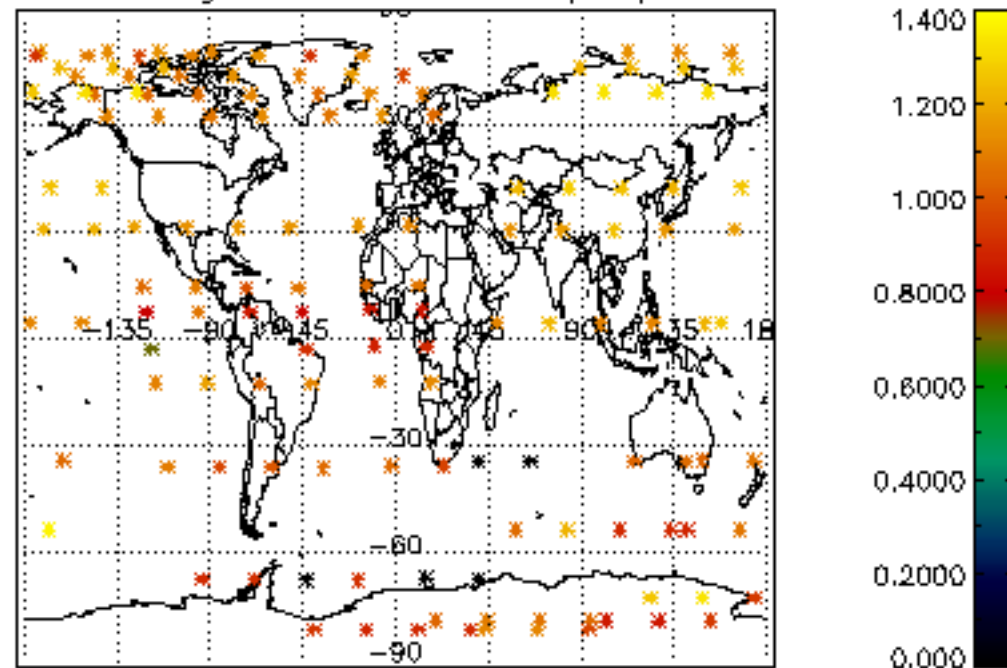




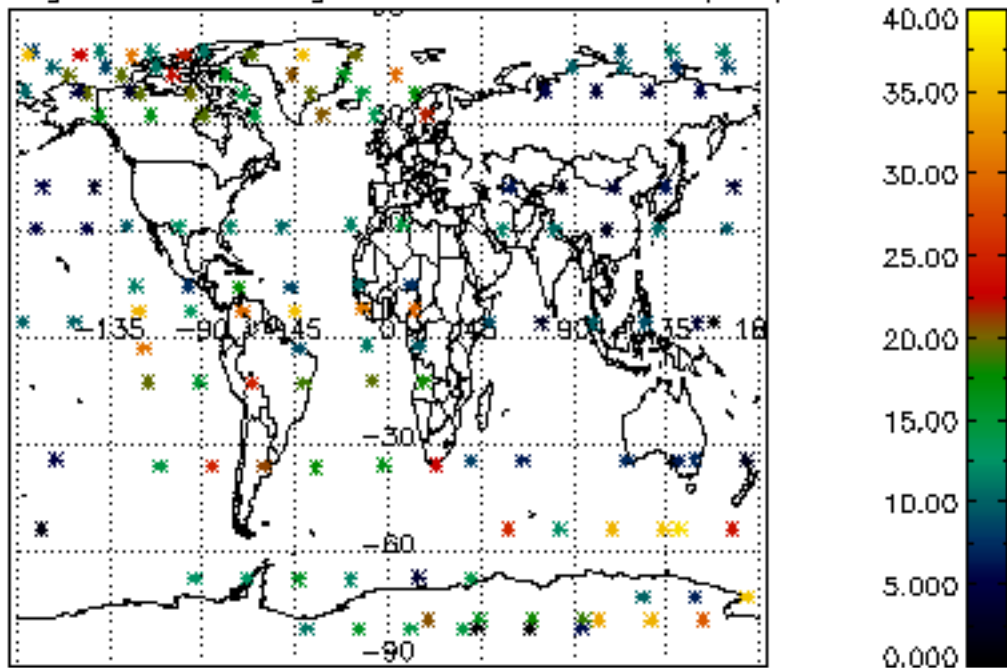
Percentage of cosmic ray hits per profile



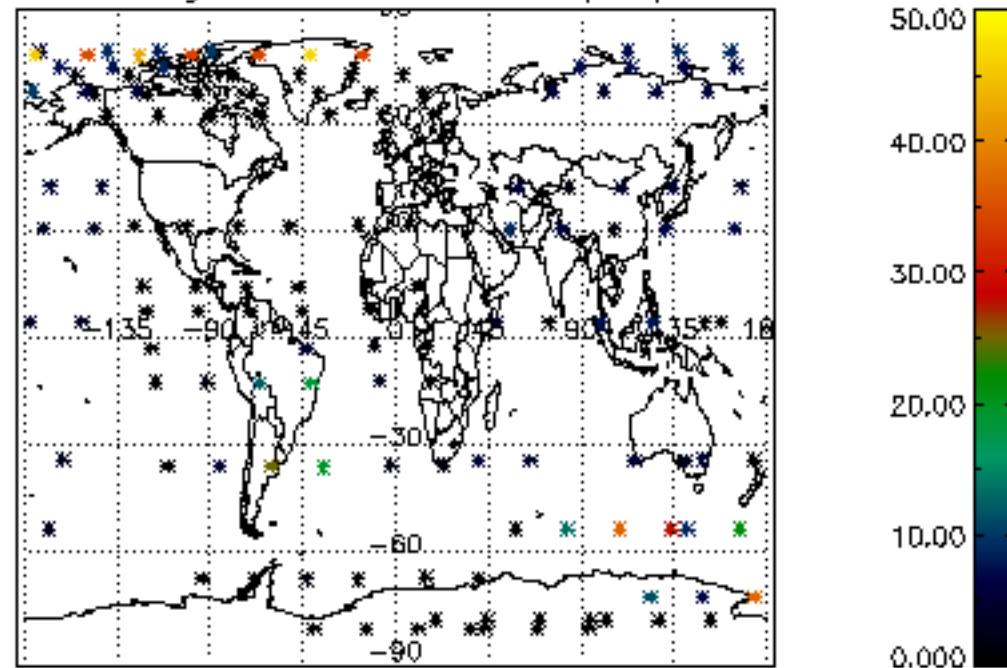
Percentage of datation errors per profile



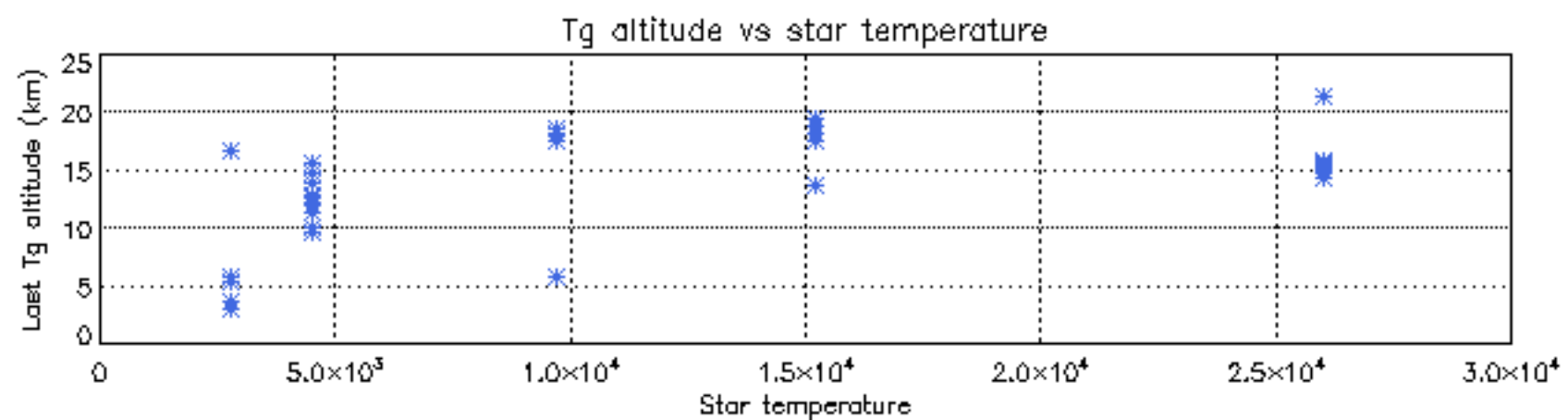
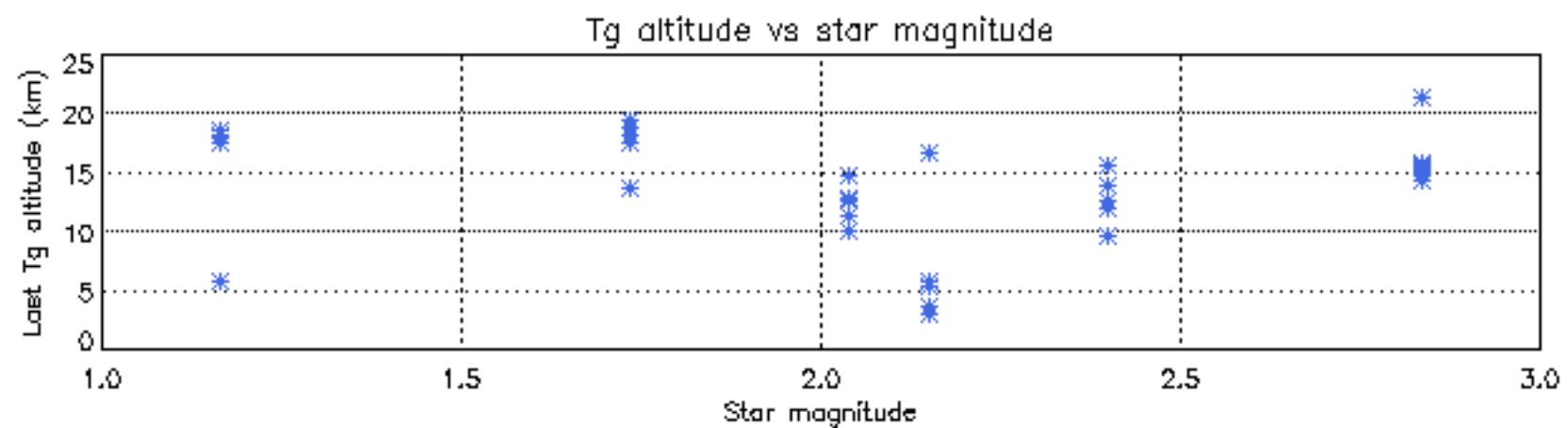
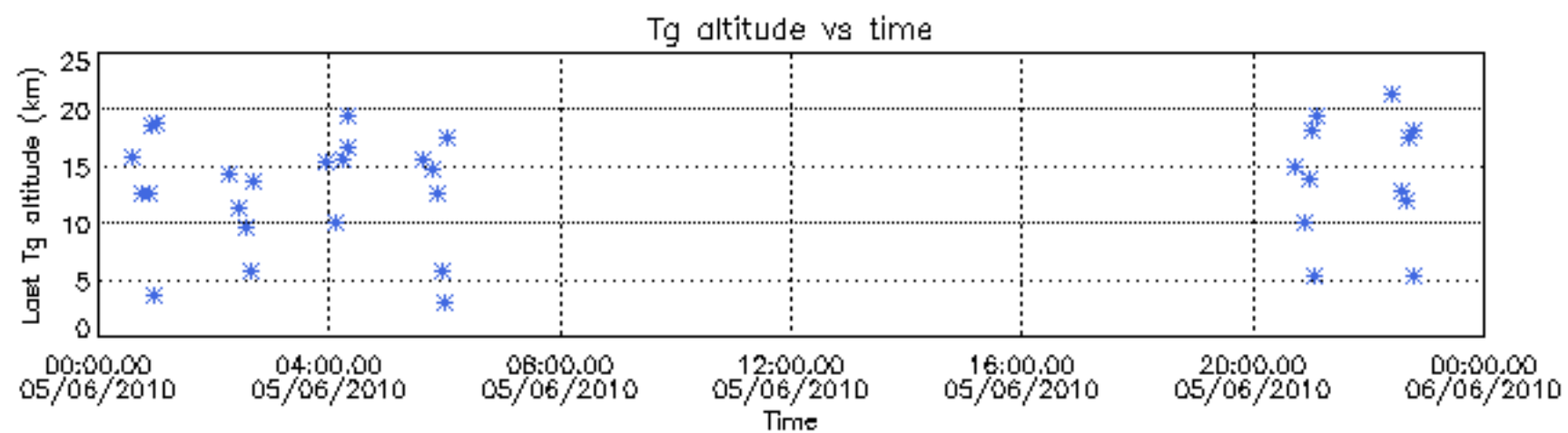
Percentage of star falling outside central band per profile



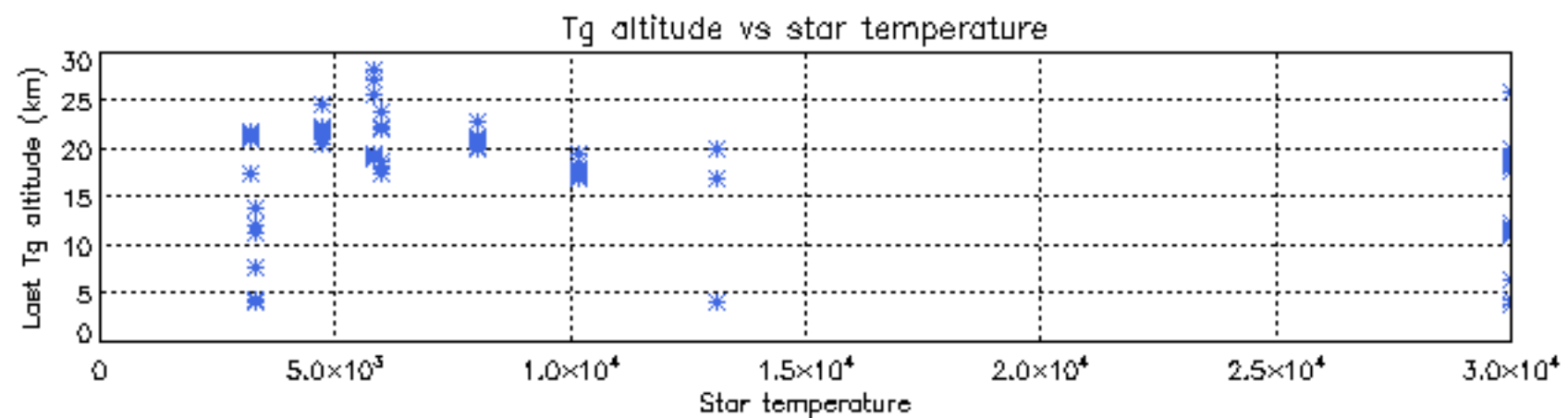
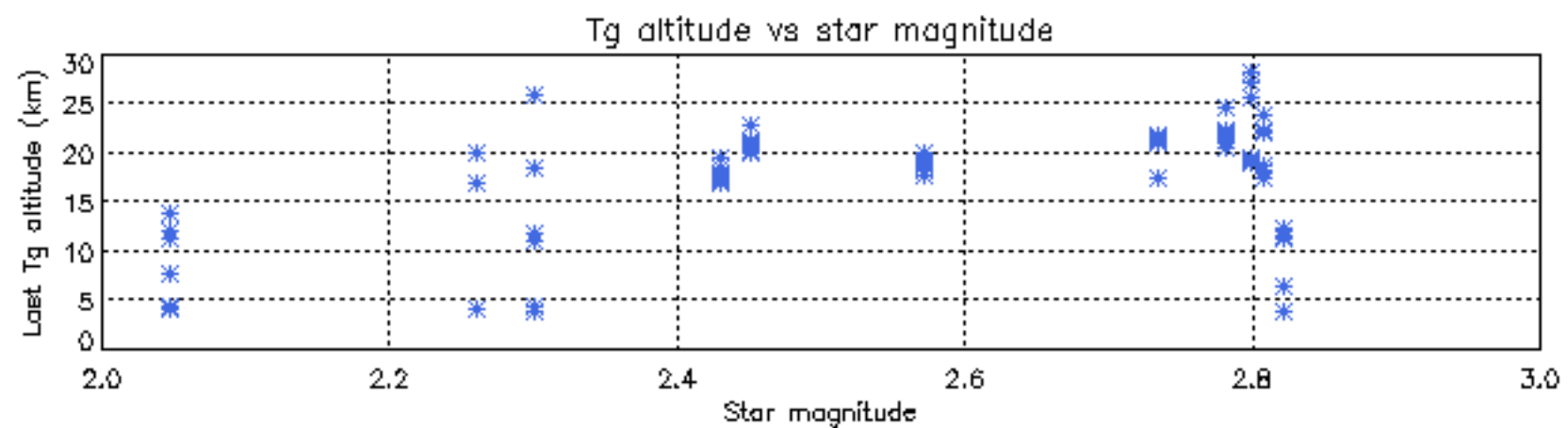
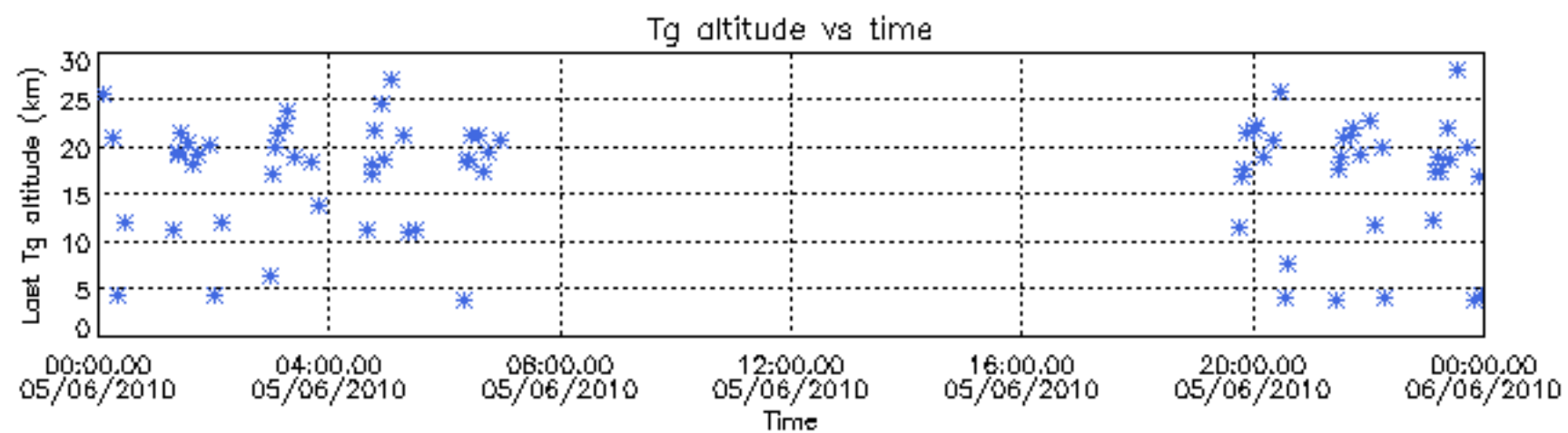
Percentage of saturation errors per profile

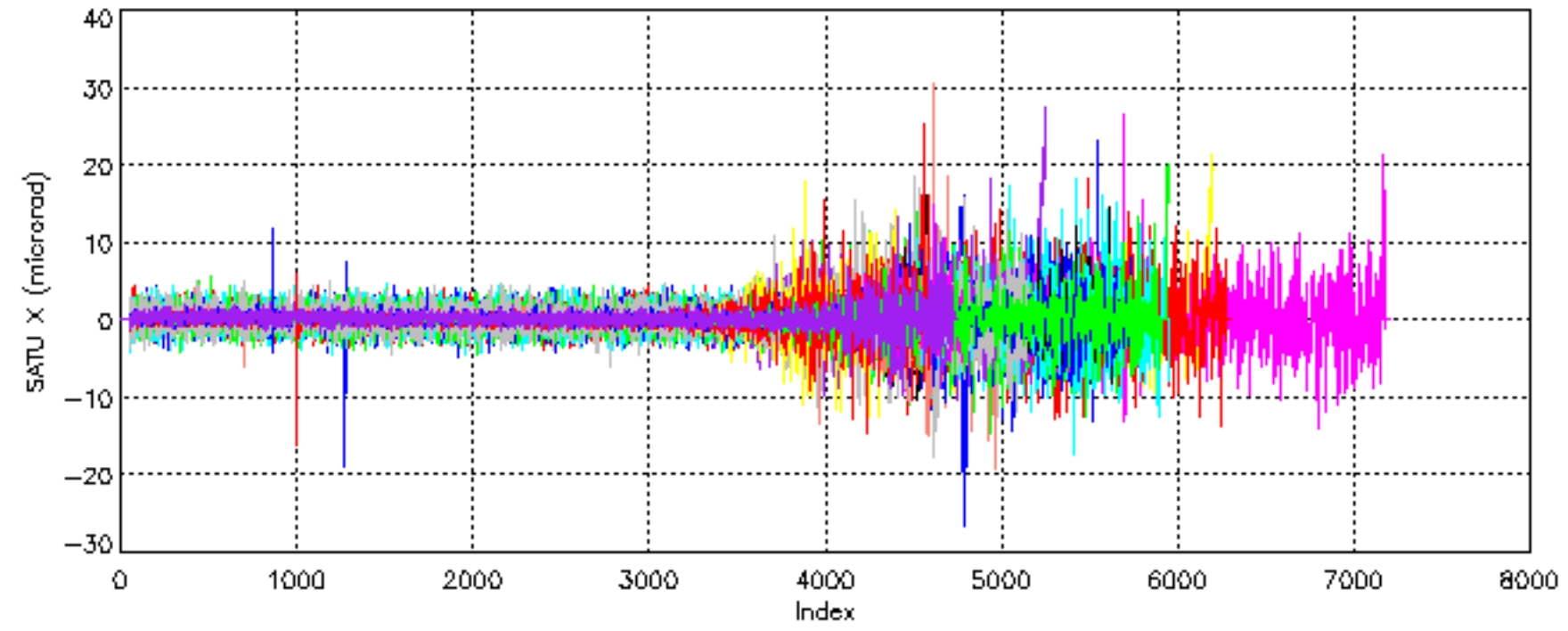


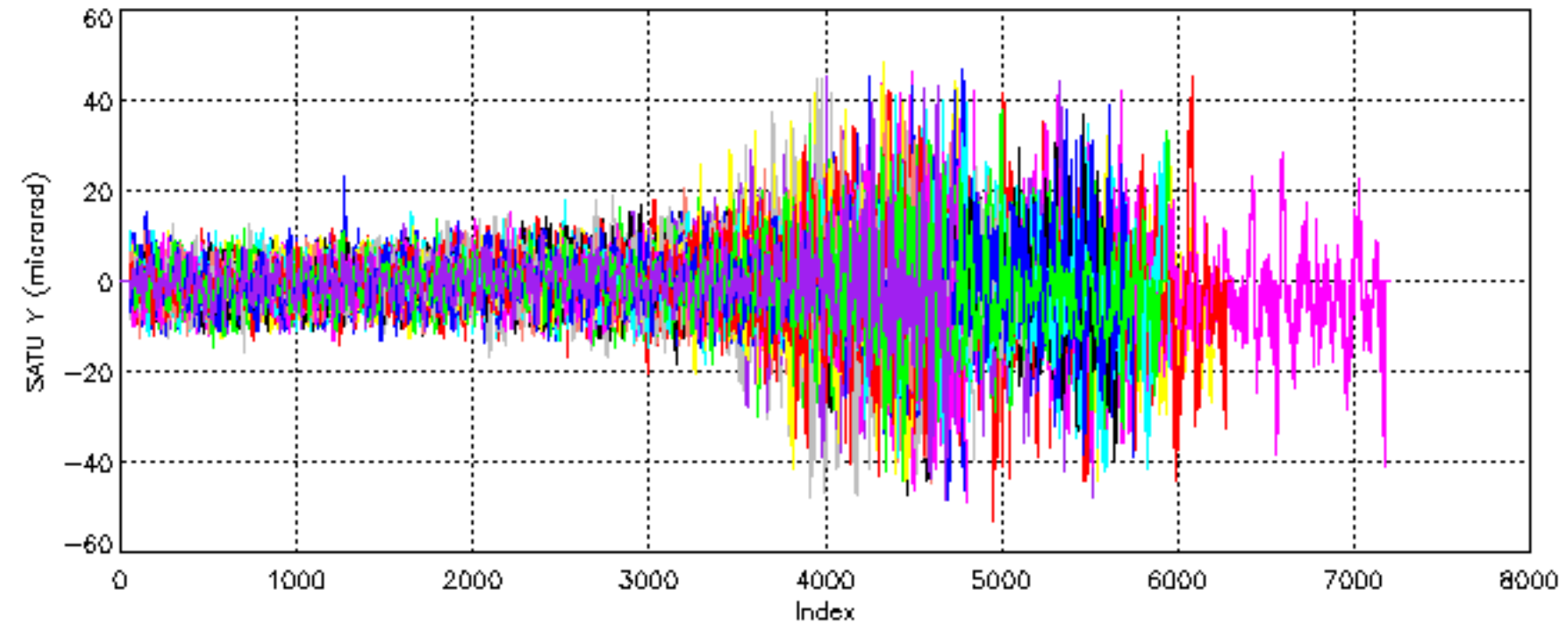
Tangent altitude at which the star is lost

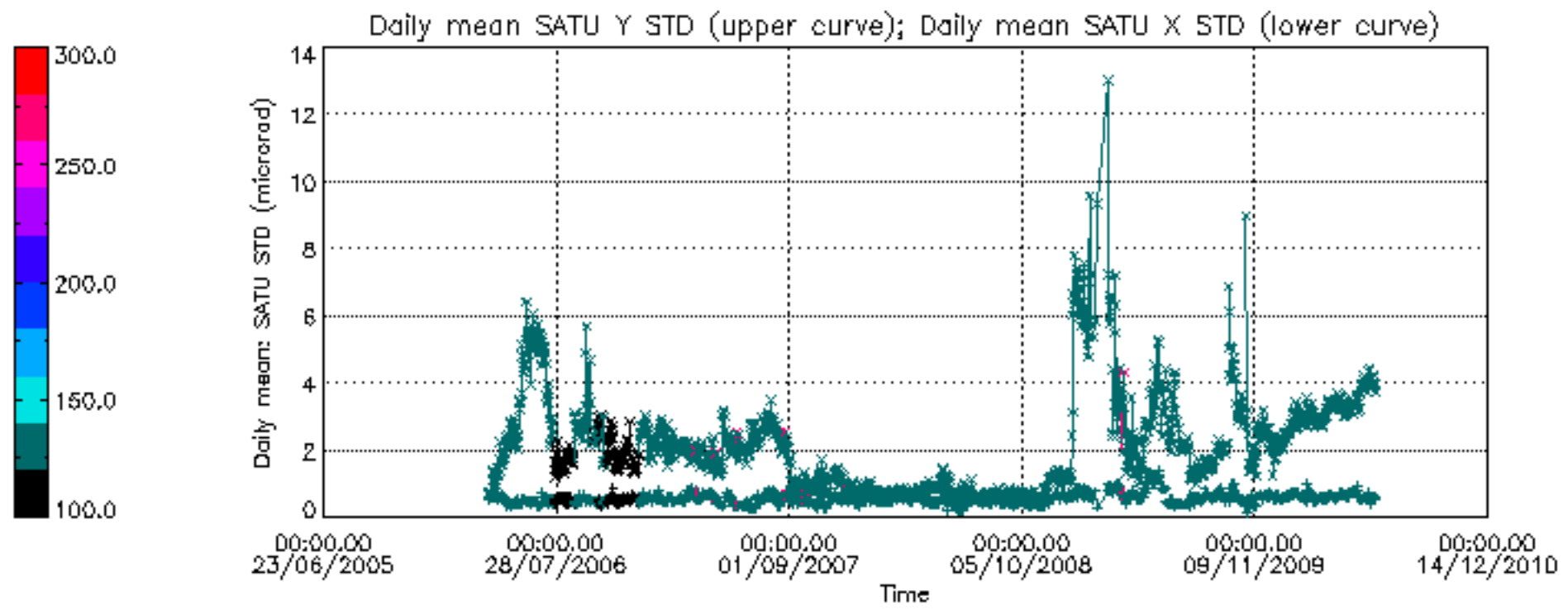


Tangent altitude at which the star is lost









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 4; 187.0; 01-JUN-2010 01:23:38; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43143
 5; 486.0; 01-JUN-2010 01:28:37; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;43143
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 7; 1034.9; 01-JUN-2010 01:37:46; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43143
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 13; 6970.6; 01-JUN-2010 04:57:18; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;43145
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 23; 8405.1; 01-JUN-2010 05:21:12; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;43145
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 25; 9040.7; 01-JUN-2010 05:31:48; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43145


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8; 77.3; 01-JUN-2010 06:23:37; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43146
9; 190.0; 01-JUN-2010 06:25:29; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43146
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21; 2368.8; 01-JUN-2010 07:01:48; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43146
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17; 6441.1; 16-JUN-2010 17:01:24; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43367
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2; 1298.8; 16-JUN-2010 20:37:30; Dark ; 51.0; 116; 19Del Sgr ; 2.70; 4100;occ; 102; 0;43369
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 9; 3484.4; 16-JUN-2010 21:13:56; Bright; 49.5; 89; 5Alp Cep ; 2.45; 8000;occ; 99; 0;43369
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 13; 4411.6; 16-JUN-2010 21:29:23; Dark ; 60.5; 53; 43Bet And ; 2.05; 3300;occ; 121; 0;43369
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 13; 2154.6; 17-JUN-2010 00:12:58; Bright; 62.0; 59; 55Alp Oph ; 2.08; 8900;occ; 124; 0;43371
 14; 2275.5; 17-JUN-2010 00:14:59; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;43371
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 6; 2276.1; 16-JUN-2010 17:32:35; Bright; 38.0; 127; 27Bet Her ; 2.78; 4700;occ; 76; 0;43367
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 9; 3486.1; 16-JUN-2010 17:52:45; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43367
 10; 3874.8; 16-JUN-2010 17:59:14; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;43367

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13; 4411.6; 16-JUN-2010 18:08:11; Dark ; 60.5; 53; 43Bet And ; 2.05; 3300;occ; 121; 0;43367
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16; 5573.3; 16-JUN-2010 18:27:33; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;43367
17; 5943.7; 16-JUN-2010 18:33:43; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;43367
18; 6318.8; 16-JUN-2010 18:39:58; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43368
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10; 3874.3; 16-JUN-2010 19:39:50; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;43368
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13; 2154.0; 17-JUN-2010 01:53:33; Bright; 43.0; 59; 55Alp Oph ; 2.08; 8900;occ; 86; 0;43372
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 4; 1615.1; 17-JUN-2010 01:44:34; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43372
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 16; 3840.5; 22-JUN-2010 23:11:57; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43456
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 19; 4270.6; 22-JUN-2010 23:19:07; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43456
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 22; 4933.5; 22-JUN-2010 23:30:10; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;43456
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 12; 2447.3; 23-JUN-2010 00:29:20; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;43457
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 16; 3840.3; 23-JUN-2010 00:52:33; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43457
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 5; 683.8; 23-JUN-2010 01:40:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43458
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 16; 3931.4; 23-JUN-2010 02:34:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43458
 17; 4064.8; 23-JUN-2010 02:36:53; Bright; 44.5; 160; 23Gam Per ; 2.93; 4700;occ; 89; 0;43458
 18; 4270.5; 23-JUN-2010 02:40:19; Bright; 60.0; 73; 57Gam1And ; 2.26; 13100;occ; 120; 0;43458
 19; 4414.7; 23-JUN-2010 02:42:43; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43458
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 25; 6530.7; 23-JUN-2010 03:17:59; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43459
 26; 6720.8; 23-JUN-2010 03:21:09; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;43459
 27; 7276.4; 23-JUN-2010 03:30:25; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43459
 28; 7361.8; 23-JUN-2010 03:31:50; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43459
 29; 7492.4; 23-JUN-2010 03:34:01; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43459
 30; 8025.2; 23-JUN-2010 03:42:54; Bright; 42.0; 126; 60Bet Oph ; 2.77; 4250;occ; 84; 0;43459
 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459
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 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459
 34; 8869.6; 23-JUN-2010 03:56:58; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;43459

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 5; 4064.9; 23-JUN-2010 04:17:29; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;43459
 6; 4270.6; 23-JUN-2010 04:20:55; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43459
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 10; 5414.1; 23-JUN-2010 04:39:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43459
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 16; 7362.5; 23-JUN-2010 05:12:27; Dark ; 46.0; 116; 19Del Sgr ; 2.70; 4100;occ; 92; 0;43460
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 22; 8869.5; 23-JUN-2010 05:37:34; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43460
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 3; -1971.3; 23-JUN-2010 05:58:05; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43460
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 5; -1621.0; 23-JUN-2010 06:03:55; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;43460
 6; -1390.3; 23-JUN-2010 06:07:46; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;43460
 7; -1100.8; 23-JUN-2010 06:12:36; Dark ; 37.0; 94; 92Alp Cet ; 2.53; 3100;occ; 74; 0;43460
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 13; 1241.5; 23-JUN-2010 08:32:14; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;43462
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11; 3928.6; 23-JUN-2010 17:40:00; Bright; 66.0; 68; 18Alp Cas ; 2.22; 4500;occ; 132; 0;43467
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4; 505.1; 23-JUN-2010 21:44:45; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43470
5; 691.0; 23-JUN-2010 21:47:51; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43470
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4; 506.4; 23-JUN-2010 23:25:22; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43471
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9; 1988.1; 23-JUN-2010 23:50:04; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43471
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13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
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 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
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12; 2710.0; 24-JUN-2010 03:23:17; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43473
13; 2830.2; 24-JUN-2010 03:25:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;43473
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 5;-1619.5; 24-JUN-2010 03:51:44; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43473
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16; 1988.1; 24-JUN-2010 04:51:51; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43474
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 4; -1767.2; 28-JUN-2010 05:04:00; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;43531
 5; -1614.7; 28-JUN-2010 05:06:32; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;43531
 6; -1370.3; 28-JUN-2010 05:10:37; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;43531
 7; -1076.0; 28-JUN-2010 05:15:31; Dark ; 39.0; 94; 92Alp Cet ; 2.53; 3100;occ; 78; 0;43531
 8; -569.6; 28-JUN-2010 05:23:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43531
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10; 444.4; 28-JUN-2010 05:40:52; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43532
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13; 1262.2; 28-JUN-2010 05:54:29; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;43532
14; 1345.2; 28-JUN-2010 05:55:52; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43532
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 9; 55.5; 28-JUN-2010 07:14:59; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43533
10; 445.4; 28-JUN-2010 07:21:28; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;43533
11; 564.8; 28-JUN-2010 07:23:28; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43533
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13; 1262.4; 28-JUN-2010 07:35:05; Dark ; 47.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 94; 0;43533
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 6; 3806.1; 28-JUN-2010 08:17:29; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43533
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 9; 3802.0; 28-JUN-2010 21:42:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43541
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13; 3365.9; 28-JUN-2010 23:15:32; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43542
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 6; 1265.1; 29-JUN-2010 00:21:07; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;43543
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 8; 1474.4; 29-JUN-2010 00:24:37; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43543
 9; 1982.8; 29-JUN-2010 00:33:05; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43543
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 9; 1982.6; 29-JUN-2010 02:13:41; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;43544
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